

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)



Final Year Internship Report

on

Database developer

Submitted By:

Shabana Parveen

0901CS193D08

Faculty Mentor:

Assistant prof. Mahesh Parmar

Computer science and engineering

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE
GWALIOR - 474005 (MP) est. 1957

MAY-JUNE 2022

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)



Database Developer

A final year internship report submitted in partial fulfillment of the requirement for the
degree of

BACHELOR OF TECHNOLOGY

in

COMPUTER SCIENCE AND ENGINEERING

Submitted by:

Shabana Parveen

0901CS193D08

Internship Faculty Mentor:

Assistant prof. Mahesh Parmar

Submitted to:

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE
GWALIOR - 474005 (MP) est. 1957

MAY-JUNE 2022

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Date: 23/May/2022

To Whomsoever It May Concern

This is to certify that Ms. Shabana Parveen, an B.Tech student from Madhav Institute of Technology and Science, Gwalior (MP), has successfully completed 4 Months (10 Jan 2022 to 10 May 2022) internship at Caresoft Inc's, India Division.

During the period she has worked on Database Technology used SQL, Oracle Data Integrator.

During the period of her internship program with us she was found punctual, hardworking and inquisitive. Her performance exceeded expectations and she completed the given tasks on time.

We wish Ms. Shabana Parveen good luck for all future endeavors and look forward to working with her again in the future.

Regards,

For Caresoft Inc.



HR Manager.

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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CERTIFICATE

This is certified that **Shabana Parveen** (0901CS193D08) has submitted the internship report under the mentorship of **Prof. Mahesh Parmar** in partial fulfilment of the requirement for the award of degree of Bachelor of Technology in Computer Science and Engineering from Madhav Institute of Technology and Science, Gwalior.



Mahesh Parmar
Faculty Mentor
Assistant Professor,
Computer Science and Engineering



Dr. Manish Dixit
Professor and Head,
Computer Science and Engineering
Dr. Manish Dixit
Professor & HOD
Department of CSE
M.I.T.S. Gwalior

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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DECLARATION

I hereby declare that the work being presented in this Internship report, for the partial fulfilment of requirement for the award of the degree of Bachelor of Technology in CSE at Madhav Institute of Technology & Science, Gwalior is an authenticated and original record of my work under the mentorship of **Assistant prof Mahesh Parmar, Professor**, Department of CSE.

I declare that I have not submitted the matter embodied in this report for the award of any degree or diploma anywhere else.

Shabana Parveen
0901CS193D08
IV Year
Computer Science and
Engineering

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

ACKNOWLEDGEMENT

The full semester internship has proved to be pivotal to my career. I am thankful to my institute, **Madhav Institute of Technology and Science** to allow me to continue my disciplinary/interdisciplinary internship as a curriculum requirement, under the provisions of the Flexible Curriculum Scheme (based on the AICTE Model Curriculum 2018), approved by the Academic Council of the institute. I extend my gratitude to the Director of the institute, **Dr. R. K. Pandit** and Dean Academics, **Dr. Manjaree Pandit** for this.

I would sincerely like to thank my department, **Department of Computer Science and Engineering**, **for allowing** me to explore this internship. I humbly thank **Dr. Manish Dixit**, Professor and Head, Department of Computer Science and Engineering, for his continued support during the course of this engagement, which eased the process and formalities involved.

I am sincerely thankful to my faculty mentors. I am grateful to the guidance of **Assistant prof Mahesh parmar**, Department of Computer Science and Engineering, for his continued support and close mentoring throughout the internship. I am also very thankful to the faculty and staff of the department.

Shabana Parveen
0901CS193D08
IV Year,
Computer Science and
Engineering

ABSTRACT

This project report describes our work for the development of Forecast project. Forecast project is used to extract the client data. Forecast project is a project where lot's of resorts are connected to the software and every resort has some hotel which is connected to the related resorts. The work that I have done is pull the every hotel related data from the client database to our database. Basically this project is used to get all the data related to hotels from client side computer. Whenever we are fetching the hotels data from the client side computer we have to convert that data into the flat file which is nothing but the data in txt file. Client data is extracted as a table from client database and then converted into the txt file. The next process of the project is to load the extracted data into Hyperion. Hyperion is a tool which is used in front end side.

About the Organization:

Caresoft Inc. was founded in 1994 as an IT Professional Services provider. Our staffing and consulting solutions support a broad spectrum of clients ranging from funded ventures to Fortune 500 companies. We have a strong presence in the United States and in India with offices in both the countries. We believe in providing practice based IT staffing and consulting solutions. Caresoft has been built on the solid technical backgrounds and visionary foresight.

Objective of Proposed Work:

As the title suggests this is forecast project means it is used to give the forecast details about the hotels like total revenue, total earning etc. This forecast data gives according to 6 months or every months or yearly.

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Chapter 1

Introduction

1.1 Objective

- This project is user friendly interface .
- This is a forecast project which is used Microsoft sql server management studio software .
- The objective of our project is to populate the hotel related data from the client database server to our database server.

1.2 About this project tool

- In this project we are using Microsoft SQL server management studio .
- Microsoft SQL Server is a relational database management system developed by Microsoft. As a database server, it is a software product with the primary function of storing and retrieving data as requested by other software applications—which may run either on the same computer or on another computer across a network.

1.3 Scope

- Best for business intelligence .
- Easy to fetching the data from another server.

1.4 System Requirement

• System Feasibility

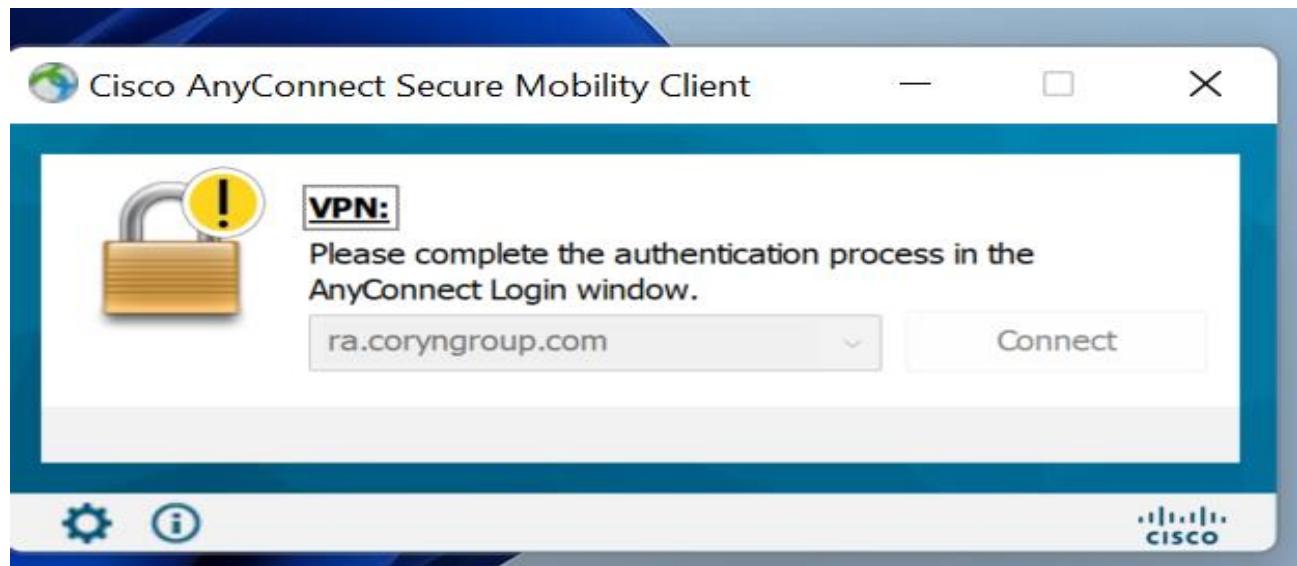
Feasibility learn about of the gadget is a very necessary state all through machine design. Feasibility find out about is a take a look at of a device suggestion according to its workability impact on the organization, capability to meet consumer needs, and use of resources. Feasibility learn about decides whether the gadget is precise developed or not.

- Software implementation language/technology
 - SQL Server Management Studio- SQL Server Management Studio is a software program application first launched with Microsoft SQL Server 2005 that is used for configuring, managing, and administering all components within Microsoft SQL Server. It is the successor to the Enterprise Manager in SQL 2000 or before
 - ODI Tool- Oracle Data Integrator (ODI) is an Extract, load and radically change ETL(in distinction with the ETL frequent approach) device produced by Oracle that presents a graphical surroundings to build , Manage and preserve records integration strategies in commercial enterprise intelligence systems.
 - Hyperion Tool- Oracle Hyperion Planning is a centralized planning, budgeting, and forecasting solution that integrates financial and operational planning techniques and improves enterprise predictability.

Chapter 2

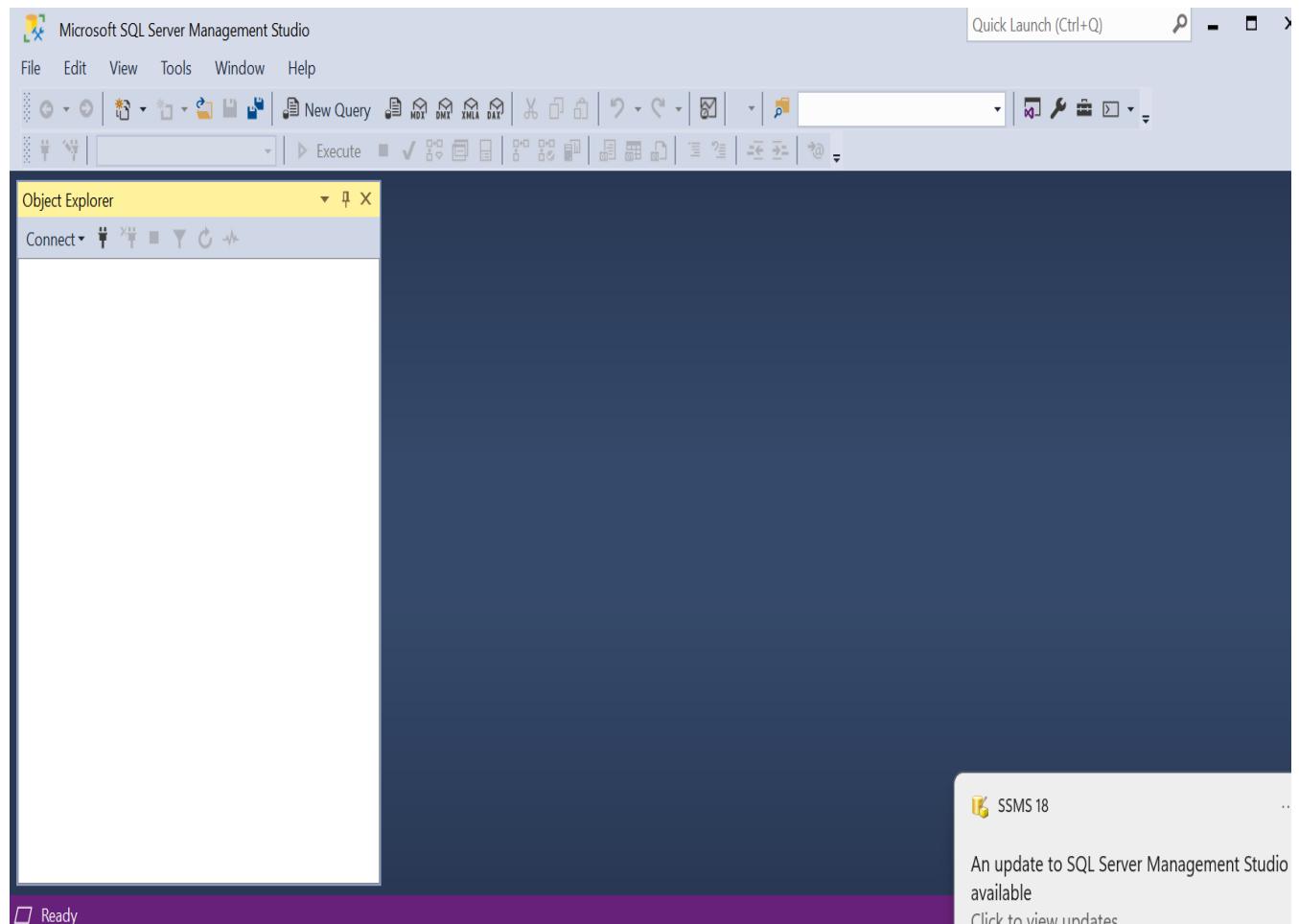
Internal Data Structures

1. Firstly we have to connect VPN to access server.

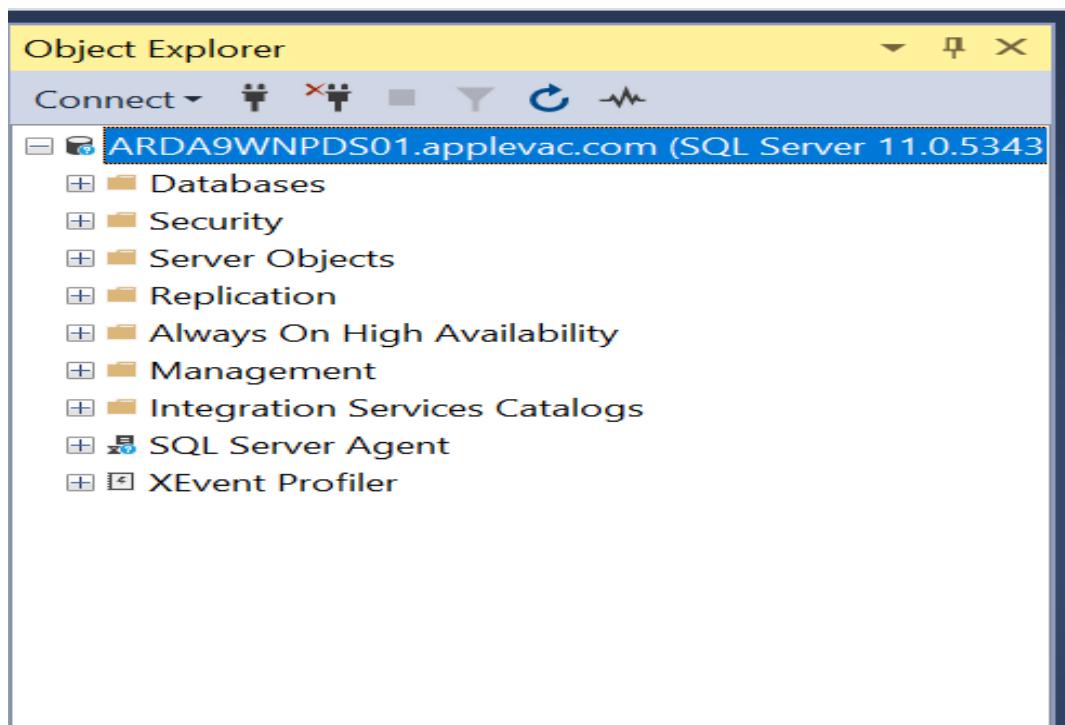
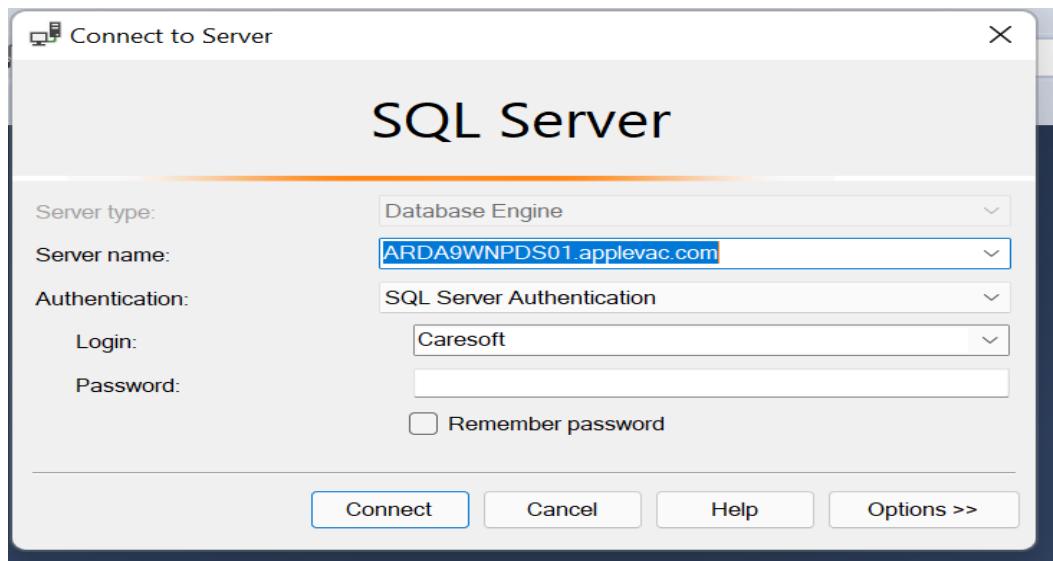


- 2.

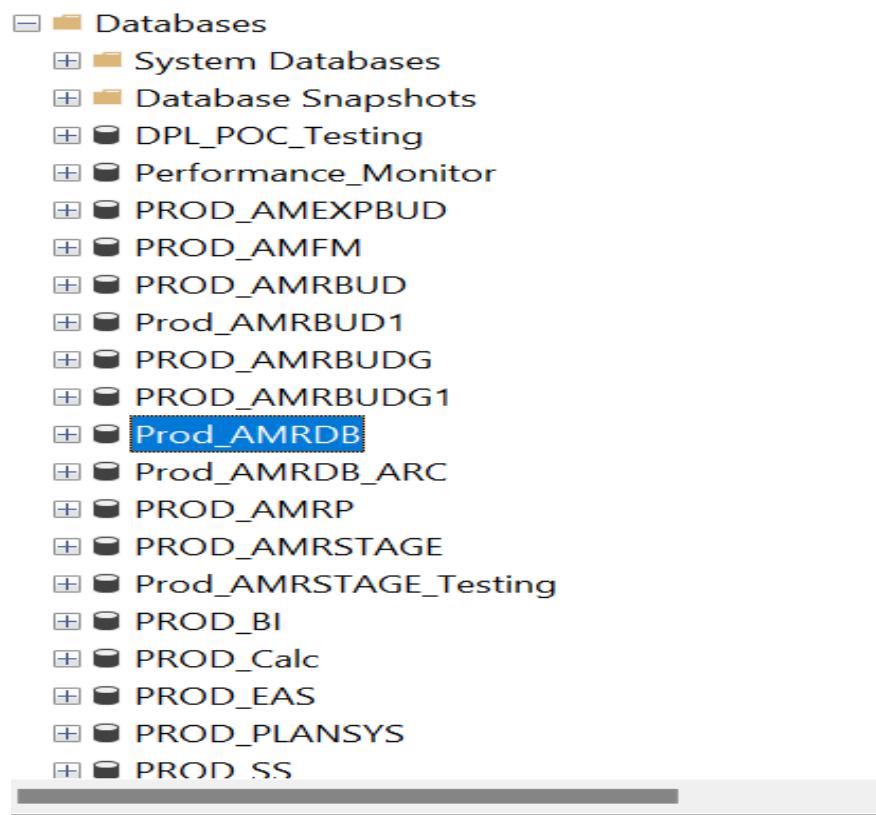
3. Open Microsoft SQL Server Management Studio



4. Connect to the Server by using the Authenticated user id and password.



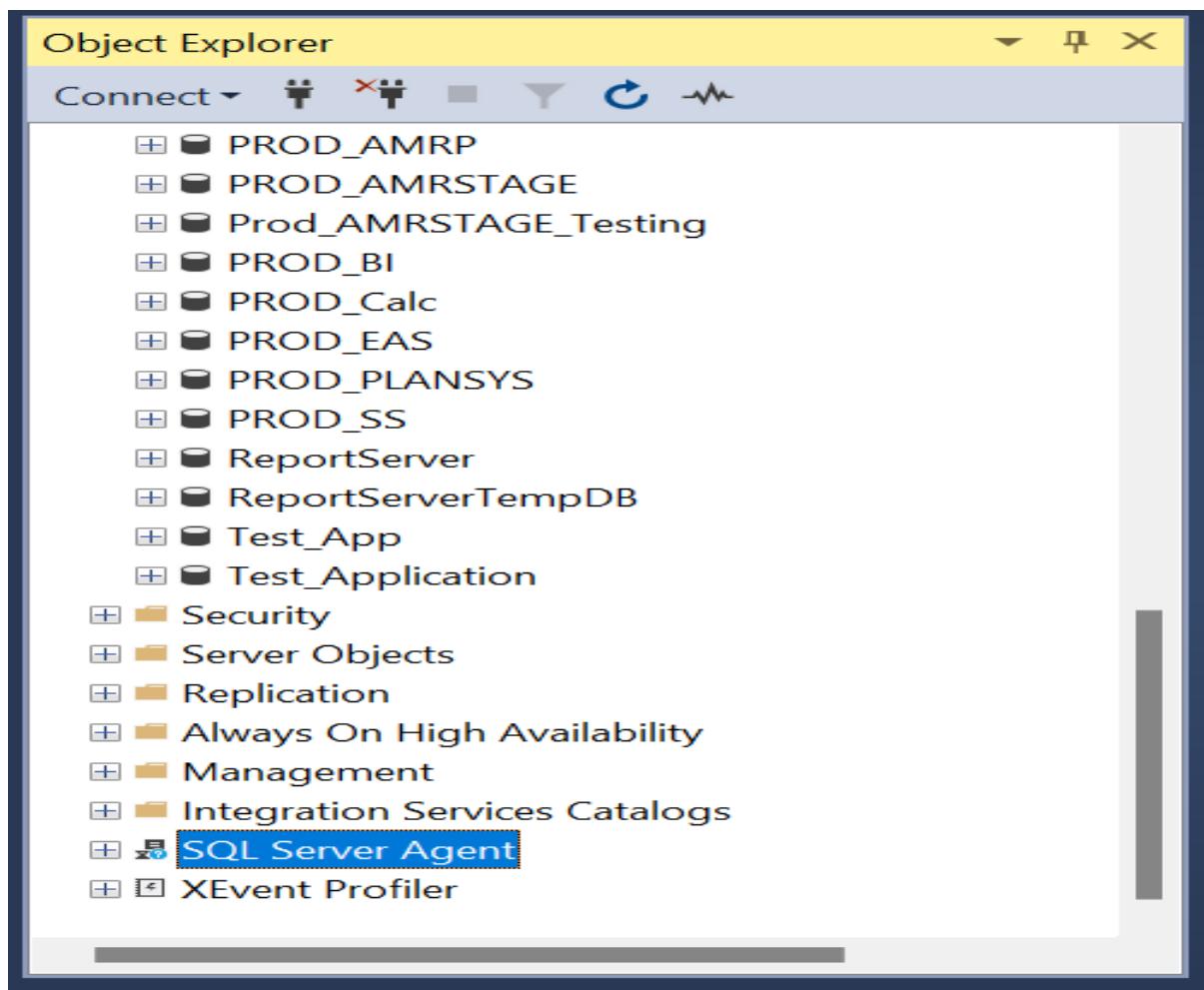
5. Choose the Database which you are using.



6. Now we can check to table and stored procedures



7. Go to the SQL server Agent to monitor your job to be executed.



8. Now you can see the jobs status like last run ,next run, time .

Job Activity Monitor - ARDA9WNPDS01.applevac.com

Select a page Refresh Filter ... Help

All Jobs

Status

Last Refresh: 25-05-2022 21:13:54

Next Refresh: Manual

[View refresh settings](#)

Filter: None

[View filter settings](#)

Connection

Server: ARDA9WNPDS01.applevac

Connection: Caresoft

[View connection properties](#)

Progress

✓

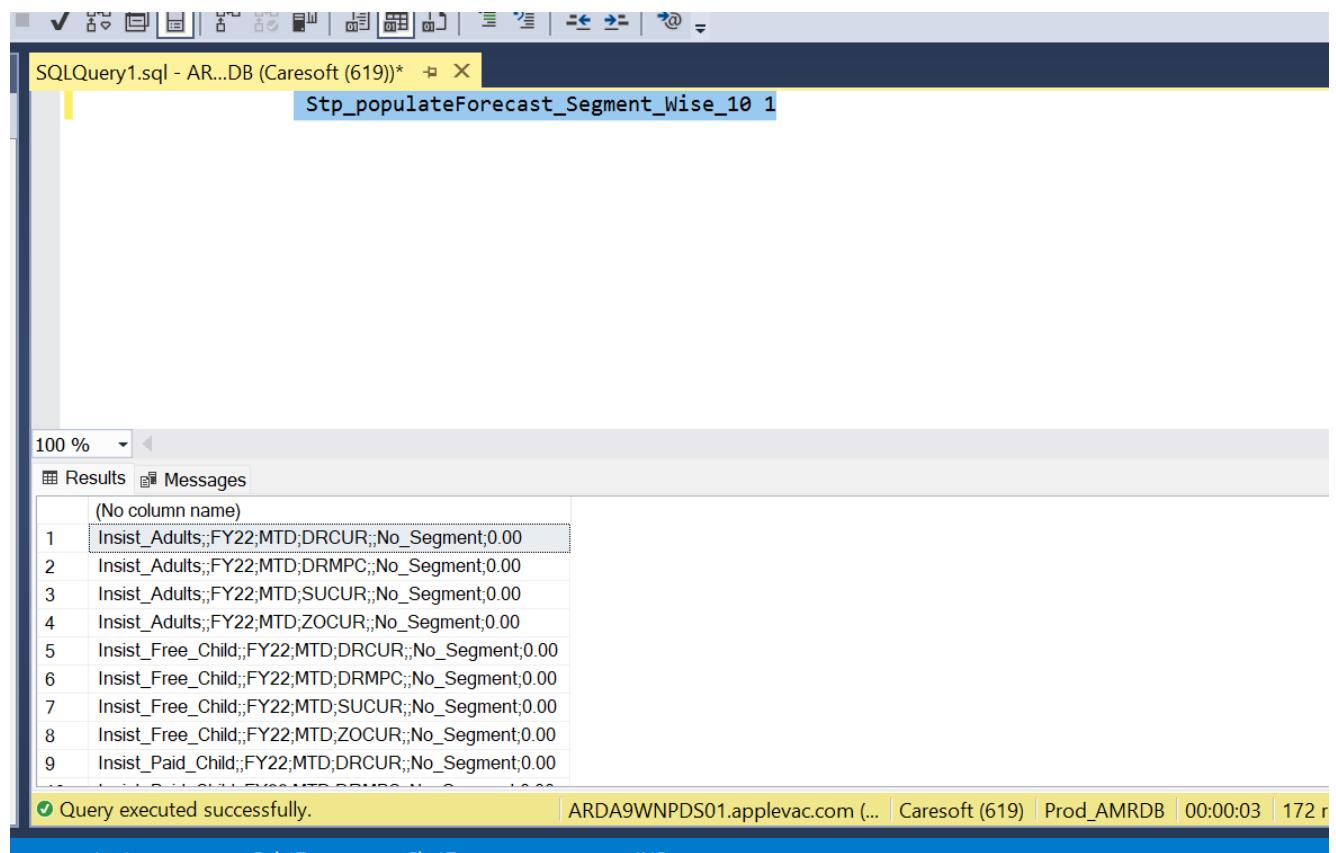
Agent Job Activity:

Name	Enabled	Status	Last Run...	Last Run	Next Run	Category	Runnable
0EF3936A-0E7...	yes	Idle	Succee...	01-05-2...	01-06-2...	Report ...	yes
46F3D0A8-931...	yes	Idle	Succee...	25-05-2...	26-05-2...	Report ...	yes
4CC5370B-B4D...	yes	Idle	Succee...	25-05-2...	26-05-2...	Report ...	yes
Agency Update ...	yes	Idle	Succee...	25-05-2...	26-05-2...	[Uncate...	yes
AGENCY_WIS...	yes	Idle	Succee...	24-05-2...	31-05-2...	[Uncate...	yes
Agency_WISE_...	yes	Idle	Succee...	24-05-2...	31-05-2...	[Uncate...	yes
Agency_wise_11	yes	Idle	Succee...	24-05-2...	31-05-2...	[Uncate...	yes
Agency_Wise_12	yes	Idle	Succee...	24-05-2...	31-05-2...	[Uncate...	yes
Agency_wise_d...	yes	Idle	Succee...	24-05-2...	31-05-2...	[Uncate...	yes
AGENCY_WIS...	yes	Idle	Succee...	24-05-2...	31-05-2...	[Uncate...	yes
Backup	yes	Idle	Succee...	22-05-2...	29-05-2...	[Uncate...	yes
BFD4DE2C-C6...	yes	Idle	Succee...	25-05-2...	26-05-2...	Report ...	yes
BOCONSA saldo...	no	Idle	Succee...	13-11-2...	24-05-2...	[Uncate...	yes
BUDGET DATA...	yes	Idle	Succee...	25-05-2...	26-05-2...	[Uncate...	yes
BUDGET_EXC...	yes	Idle	Failed	25-05-2...	26-05-2...	[Uncate...	yes
Detailed Excepti...	no	Idle	Succee...	10-08-2...	24-05-2...	[Uncate...	yes
Detailed Excepti...	no	Idle	Succee...	03-08-2...	31-05-2...	[Uncate...	yes
Exception Report	yes	Idle	Succee...	25-05-2...	26-05-2...	[Uncate...	yes
FC26E62C-9F4...	yes	Idle	Succee...	25-05-2...	26-05-2...	Report ...	yes
Linkedserver_S...	yes	Idle	Succee...	25-05-2...	26-05-2...	[Uncate...	yes
Prod_ActiveCurr...	yes	Idle	Succee...	01-05-2...	01-06-2...	[Uncate...	yes
Prod_AMRBUD...	yes	Idle	Succee...	25-05-2...	26-05-2...	[Uncate...	yes
Prod_Deactivate...	yes	Idle	Succee...	05-05-2...	05-06-2...	[Uncate...	yes
Prod_DISABLE...	yes	Idle	Failed	24-05-2...	31-05-2...	[Uncate...	yes
Prod_Enable_F...	yes	Idle	Failed	24-05-2...	31-05-2...	[Uncate...	yes
Prod_Fetch_Bal...	yes	Idle	Failed	25-05-2...	26-05-2...	[Uncate...	yes
Prod_Fetch_Bu...	no	Idle	Succee...	03-03-2...	24-05-2...	[Uncate...	yes
Prod_Fetch_Bu...	no	Idle	Succee...	02-03-2...	24-05-2...	[Uncate...	yes
Prod_Fetch_Exc...	yes	Idle	Failed	25-05-2...	26-05-2...	[Uncate...	yes

Close

9. Now we can Execute the stored procedure to pull the insist table data to staging table data.

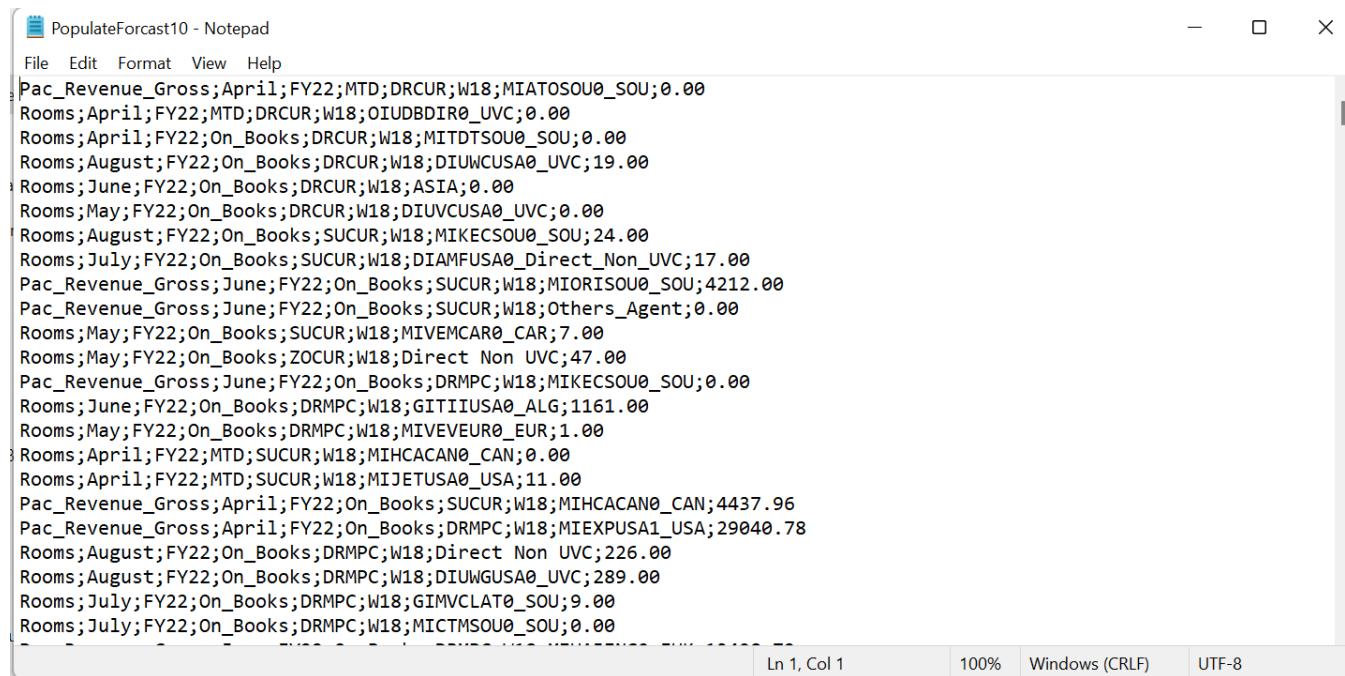
Stp_populateForecast_Segment_Wise_10
Stp_populateForecast_Segment_Wise_11
Stp_populateForecast_Segment_Wise_01
Stp_populateForecast_Segment_Wise_12
Stp_FLATFILE_AgencyWiseMAPPED



The screenshot shows a SQL Server Management Studio (SSMS) window. The title bar reads "SQLQuery1.sql - AR...DB (Caresoft (619))". The query pane contains the command "Stp_populateForecast_Segment_Wise_10 1". The results pane shows a table with 9 rows, each containing a value for "Insist_Adults;". The messages pane at the bottom indicates "Query executed successfully." and shows connection details: "ARDA9WNPDS01.applevac.com (..." and "Prod_AMRDB".

(No column name)
1 Insist_Adults;:FY22;MTD;DRCUR;:No_Segment;0.00
2 Insist_Adults;:FY22;MTD;DRMPC;:No_Segment;0.00
3 Insist_Adults;:FY22;MTD;SUCUR;:No_Segment;0.00
4 Insist_Adults;:FY22;MTD;ZOCUR;:No_Segment;0.00
5 Insist_Free_Child;:FY22;MTD;DRCUR;:No_Segment;0.00
6 Insist_Free_Child;:FY22;MTD;DRMPC;:No_Segment;0.00
7 Insist_Free_Child;:FY22;MTD;SUCUR;:No_Segment;0.00
8 Insist_Free_Child;:FY22;MTD;ZOCUR;:No_Segment;0.00
9 Insist_Paid_Child;:FY22;MTD;DRCUR;:No_Segment;0.00

10. Now we can convert tabular data into the flat file.



```
Pac_Revenue_Gross;April;FY22;MTD;DRCUR;W18;MIATOSOU0_SOU;0.00
Rooms;April;FY22;MTD;DRCUR;W18;OIUDBDIRO0_UVC;0.00
Rooms;April;FY22;On_Books;DRCUR;W18;MITDTSOU0_SOU;0.00
Rooms;August;FY22;On_Books;DRCUR;W18;DIUWCUSA0_UVC;19.00
Rooms;June;FY22;On_Books;DRCUR;W18;ASIA;0.00
Rooms;May;FY22;On_Books;DRCUR;W18;DIUVCUSA0_UVC;0.00
Rooms;August;FY22;On_Books;SUCUR;W18;MIKECSOU0_SOU;24.00
Rooms;July;FY22;On_Books;SUCUR;W18;DIAMFUSA0_Direct_Non_UVC;17.00
Pac_Revenue_Gross;June;FY22;On_Books;SUCUR;W18;MIORISOU0_SOU;4212.00
Pac_Revenue_Gross;June;FY22;On_Books;SUCUR;W18;Others_Agent;0.00
Rooms;May;FY22;On_Books;SUCUR;W18;MIVEMCAR0_CAR;7.00
Rooms;May;FY22;On_Books;ZOCUR;W18;Direct_Non_UVC;47.00
Pac_Revenue_Gross;June;FY22;On_Books;DRMPC;W18;MIKECSOU0_SOU;0.00
Rooms;June;FY22;On_Books;DRMPC;W18;GITIIUSA0_ALG;1161.00
Rooms;May;FY22;On_Books;DRMPC;W18;MIVEVEURO_EUR;1.00
Rooms;April;FY22;MTD;SUCUR;W18;MIHCACAN0_CAN;0.00
Rooms;April;FY22;MTD;SUCUR;W18;MIJETUSA0_USA;11.00
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Pac_Revenue_Gross;April;FY22;On_Books;DRMPC;W18;MIEXPUSA1_USA;29040.78
Rooms;August;FY22;On_Books;DRMPC;W18;Direct_Non_UVC;226.00
Rooms;August;FY22;On_Books;DRMPC;W18;DIUNGUSA0_UVC;289.00
Rooms;July;FY22;On_Books;DRMPC;W18;GIMVCLAT0_SOU;9.00
Rooms;July;FY22;On_Books;DRMPC;W18;MICTMSOU0_SOU;0.00
```

Chapter 3

IMPLEMENTATION AND TESTING

- Implementation

- 1) Requirements

System Requirements:

- A good processor atleast 8GB memory.
- 8GB of RAM.
- Active internet connection so that the system can access the server easily

Software Requirements

- OS – win32 x64
- Microsoft SQL server management studio
- ODI tool
- Hyperion tool

- 2) Testing

Software testing is the process of evaluating and verifying that a software product or application does what it is supposed to do. The benefits of testing include preventing bugs, reducing development costs and improving performance.

SDLC?

SDLC is a method followed for a software project, within a software program organization. It consists of a specified format describing how to develop, maintain, substitute and alter or beautify unique software. The life cycle defines a methodology for improving the exceptional of software and the universal improvement process.

The following figure is a graphical representation of the quite a number stages of a ordinary SDLC.

FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

Name of student	Shabana Parveen		Department	Software	
Industry/Organization	Caresoft Inc.		Date/Duration	01/02/2022-14/02/2022	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work			Good		
Learning capacity/Knowledge up gradation			Good		
Performance/Quality of work			Good		
Behavior/Discipline/Teamwork			Good		
Sincerity/Hard work			Good		
Comment on nature of work done/Area/Topic					
OVERALL GRADE (Any one)	POOR/AVERAGE/ GOOD /VERY GOOD/EXCELLENT				
Name of Industry Mentor	Amit Das				
Signature of Industry Mentor	Amit Das				

Receiving Date	15/02/2022	Name of Faculty Mentor	Mahesh Parmar	Sign	
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FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

Name of student	Shabana Parveen		Department	Software	
Industry/Organization	Caresoft Inc.		Date/Duration	16/02/2022-02/03/2022	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work			Good		
Learning capacity/Knowledge up gradation			Good		
Performance/Quality of work			Good		
Behavior/Discipline/Teamwork			Good		
Sincerity/Hard work			Good		
Comment on nature of work done/Area/Topic					
OVERALL GRADE (Any one)	POOR/AVERAGE/ GOOD /VERY GOOD/EXCELLENT				
Name of Industry Mentor	Amit Das				
Signature of Industry Mentor	Amit Das				

Receiving Date	03/03/2022	Name of Faculty Mentor	Mahesh Parmar	Sign	
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FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

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Name of student	Shabana Parveen		Department	Software	
Industry/Organization	Caresoft Inc.		Date/Duration	04/03/2022-15/03/2022	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work			Good		
Learning capacity/Knowledge up gradation			Good		
Performance/Quality of work			Good		
Behavior/Discipline/Teamwork			Good		
Sincerity/Hard work			Good		
Comment on nature of work done/Area/Topic					
OVERALL GRADE (Any one)	POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT				
Name of Industry Mentor	Amit Das				
Signature of Industry Mentor	Amit Das				

□

Receiving Date	16/03/2022	Name of Faculty	Mahesh Parmar	Sign	
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FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

Name of student	Shabana Parveen		Department	Software	
Industry/Organization	Caresoft Inc.		Date/Duration	17/03/2022-29/03/2022	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work			Good		
Learning capacity/Knowledge up gradation			Good		
Performance/Quality of work			Good		
Behavior/Discipline/Teamwork			Good		
Sincerity/Hard work			Good		
Comment on nature of work done/Area/Topic					
OVERALL GRADE (Any one)	POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT				
Name of Industry Mentor	Amit Das				
Signature of Industry Mentor	Amit Das				

Receiving Date	30/03/2022	Name of Faculty Mentor	Mahesh Parmar	Sign	
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FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

Name of student	Shabana Parveen		Department	Software	
Industry/Organization	Caresoft Inc.		Date/Duration	31/03/2022-12/04/2022	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work			Good		
Learning capacity/Knowledge up gradation			Good		
Performance/Quality of work			Good		
Behavior/Discipline/Teamwork			Good		
Sincerity/Hard work			Good		
Comment on nature of work done/Area/Topic					
OVERALL GRADE (Any one)	POOR/AVERAGE/ GOOD /VERY GOOD/EXCELLENT				
Name of Industry Mentor	Amit Das				
Signature of Industry Mentor	Amit Das				

Receiving Date	13/04/2022	Name of Faculty Mentor	Mahesh Parmar	Sign
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FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

Name of student	Shabana Parveen		Department	Software	
Industry/Organization	Caresoft Inc.		Date/Duration	14/04/2022-29/04/2022	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work			Good		
Learning capacity/Knowledge up gradation			Good		
Performance/Quality of work			Good		
Behavior/Discipline/Teamwork			Good		
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Comment on nature of work done/Area/Topic					
OVERALL GRADE (Any one)	POOR/AVERAGE/ GOOD /VERY GOOD/EXCELLENT				
Name of Industry Mentor	Amit Das				
Signature of Industry Mentor	Amit Das				

Receiving Date	30/04/2022	Name of Faculty	Mahesh Parmar	Sign	
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Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work			Good		
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OVERALL GRADE (Any one)	POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT				
Name of Industry Mentor	Amit Das				
Signature of Industry Mentor	Amit Das				

Receiving Date	16/05/2022	Name of Faculty Mentor	Mahesh Parmar	Sign	
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7.3 References

- https://en.wikipedia.org/wiki/Microsoft_SQL_Server
- https://www.caresoftinc.com/What_We_Are.html
- <https://www.ibm.com/topics/software-testing>
- https://www.tutorialspoint.com/sdlc/sdlc_overview.htm
-