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

Skills Based Mini Project Report

On

Number guessing game

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CERTIFICATE

This is certified that Ayush Gupta (0901CA211018) has submitted the project report titled **Number Guessing Gane** under the mentorship of **Dr. Anshu Chaturvedi** (Professor), in partial fulfilment of the requirement for the skills based mini project in 1st year of Master of Computer Application in Computer Science and Engineering from Madhav Institute of Technology and Science, Gwalior.

Dr. Anshu Chaturvedi

Professor
Computer science and Engineering

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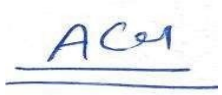
DECLARATION

I hereby declare that the work being presented in this project report, for the fulfilment of partial requirement of the skills based mini project in 1st year of Master of Computer Application in Computer Science and Engineering at **Madhav Institute of Technology & Science,Gwalior** isan authenticated and original record of my work under the mentorship of **Dr.Anshu chaturvedi** (Professor), MITS Gwalior.

I declare that I have not submitted the matter embodied in this report any where else



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ACKNOWLEDGEMENT

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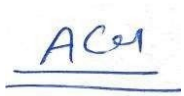
I am sincerely thankful to my faculty coordinator. I am grateful to the guidance of **Dr. Anshu chaturvedi**, (Professor), Computer Science and Engineering, for her continued support and guidance throughout the project. I am also very thankful to the faculty and staff of the department.



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ABSTRACT

The Game of Number Guessing Game is one of the most commonly knowngame This game does not allow one to win all the time and a significant proportion of Game played result in a draw.thus the best a player can hope is to not lose the g Ame. To efficient evolve no-lose strategies, we have developed innovative ways Of representing and evaluating a solution , initializing the Ga population ,develoPing Ga operators including an elite preserving scheme.

CONTENTS

INTRODUCTION

A number guessing game is a number between 0 and N in a maximum of 10 attempts the game will end after 10 attempts and if the player a simple guessing game where a user is supposed to guess fa Iled to guess the number and then he loses game machine lower number please machine higher number please.

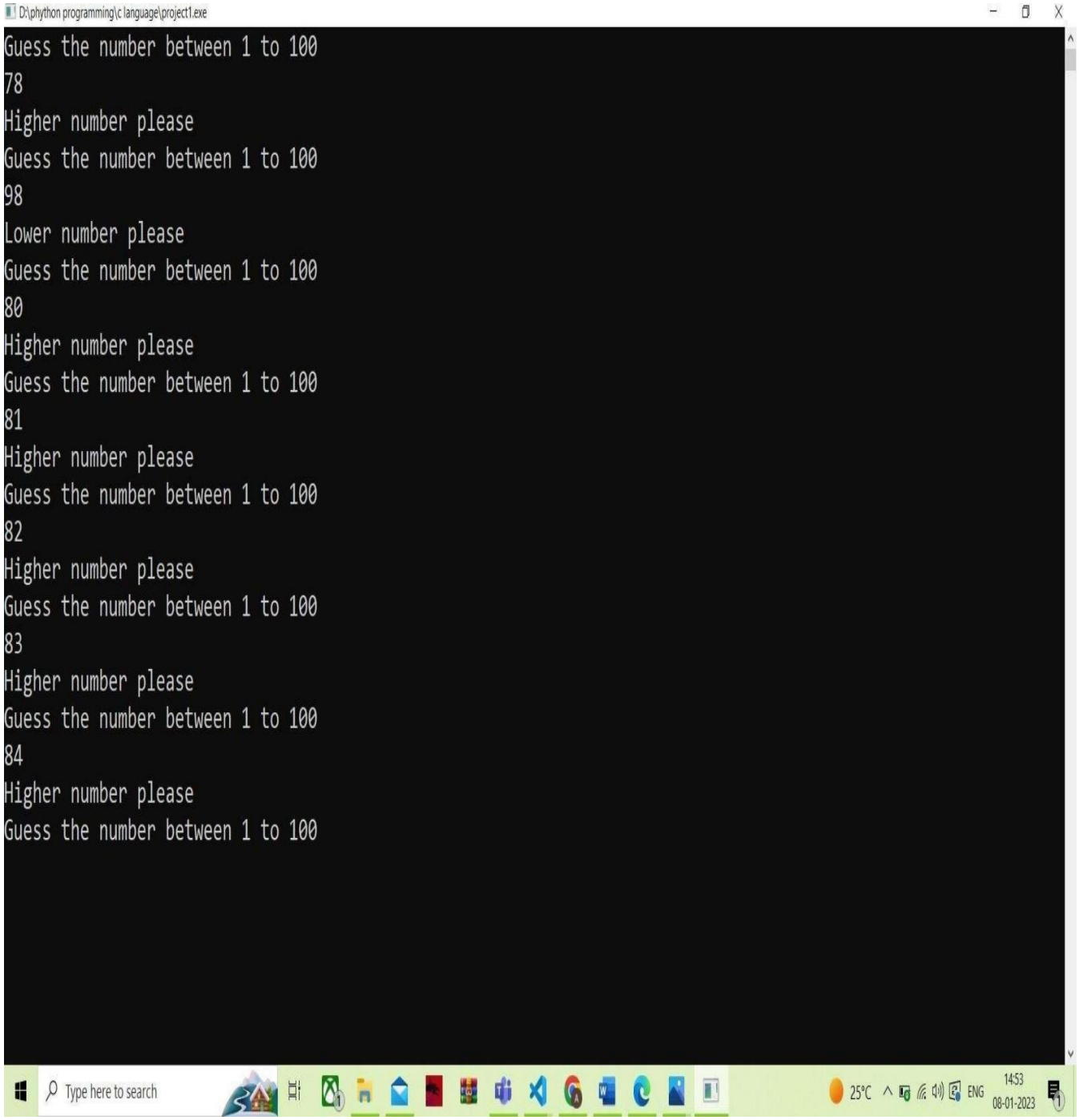
Objective

The aim of our number guess game is to guess the number that program has come up with the program randomly select a number between 1 and 100. It will then ask the player to enter their Game.

Source code


```c
#include<stdio.h>
#include<stdlib.h>
#include<time.h>
int main()
{
    int number,guess,nguesses=1;
    srand(time(0));
    number = rand()%100+ 1;
    do{
        printf("Guess the number between 1 to 100\n");
        scanf("%d",&guess);

    if(guess>number){
        printf("Lower number please\n");

    }
    else if (guess<number){
        printf("Higher number please\n");
    }
    else{
        printf("you guess it in%d attemp\n",nguesses);
        }
        nguesses++;

    }while(guess!=number);


    return 0;
}
```

Output


D:\phython programming\c language\project1.exe
Guess the number between 1 to 100
78
Higher number please
Guess the number between 1 to 100
98
Lower number please
Guess the number between 1 to 100
80
Higher number please
Guess the number between 1 to 100
81
Higher number please
Guess the number between 1 to 100
82
Higher number please
Guess the number between 1 to 100
83
Higher number please
Guess the number between 1 to 100
84
Higher number please
Guess the number between 1 to 100
Type here to search
25°C
ENG
14:53
08-01-2023

Conclusion

The number guessing game in C is a simple game where the computer generat esa random number between 1-100 and the user has to guess that number in the minimum number of turns .

After every try,the computer will tell us whether our guess was smaller or equal to the random computer generated number and we can try again until we get the correct guess .

Reference

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