**PROJECT – 1**

**PROJECT NAME :**  **NUMBER GUESSING GAME**

**NAME OF THE STUDENT : Y.KEERTHANA REDDY**

**DATE OF THE PROJECT : 1-08-2023**

**PROJECT SUMMARY :**

In the number guessing game, the program selects a random number between two numbers, and the user guesses the correct number.

we need to write a program to select a random number between 1 and 10. To give hints to the user, we can use **conditional statements** to tell the user if the guessed number is smaller, greater than or equal to the randomly selected number.

If the guessed number is lower than the randomly selected number, the user will see \*\* Number Is Too Low,Try Again \*\*. If the guessed number is higher than the randomly selected number, the user will see \*\* Number Is Too High,Try Again \*\*.If the guess number is equal to random number we get result like Congratulations!You’ve guessed correct number.

**INPUT :**

**import java.util.Random;**

**import java.util.Scanner;**

**public class NumberGame{**

**public static void main(String[] args){**

**System.out.println("!!! welcome to the Number Guessing Game !!!");**

**System.out.println("Choose the Number Between 1 to 100:");**

**Scanner sc=new Scanner(System.in);**

**Random random=new Random();**

**int min=1;**

**int max=100;**

**int RandomNumber=random.nextInt( max-min+1)+min;**

**boolean condition=true;**

**while(condition){**

**System.out.println("Enter the Number:");**

**int UserNumber=sc.nextInt();**

**if(UserNumber<RandomNumber){**

**System.out.println("\*\* Number Is Too Low,Try Again \*\*");**

**}**

**else if(UserNumber>RandomNumber){**

**System.out.println("\*\* Number Is Too High,Try Again \*\*");**

**}**

**else{**

**condition=false;**

**System.out.println("\*\*\* Congratulations ! You've Guessed the Correct Number\*\*\*");**

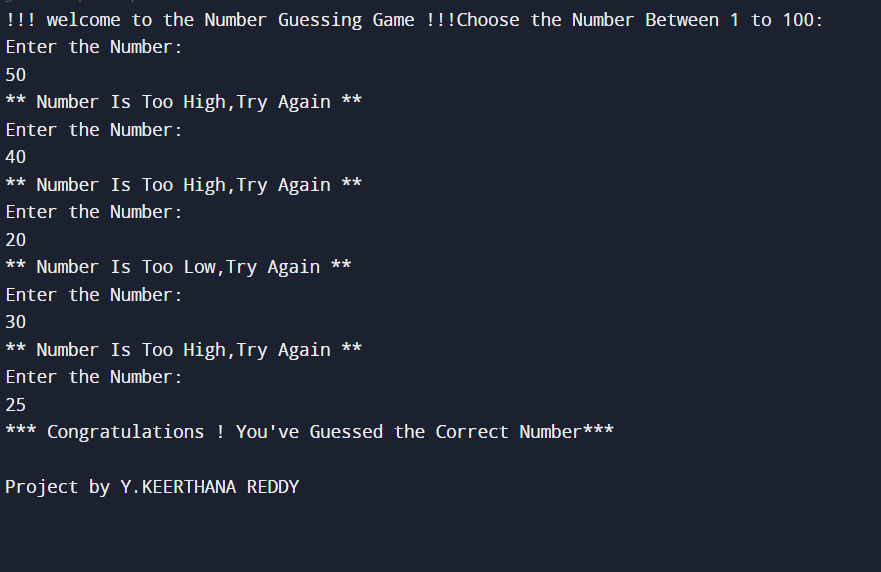
**}**

**}**

**}**

**}**

**OUTPUT :**

****