**PROJECT – 1**

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

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**PROJECT SUMMARY :**

The number guessing game is a game where the computer generates a random number and we need to guess that number in minimum tries. After every try, the computer will tell us whether our guess was low, high, or equal to the random computer-generated number and if the number we guessed was not equal to the comptuer generated number then we can try again until we get the correct guess. The random number in the game is between 1 to 100.

The user is prompted to guess a number from 1 to 100.The While loop is used to take input from the user until the user guesses the correct answer.The if….else statement is used to check the condition.The equal to == operator is used to check if the guess was correct.

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\*\*\*");**

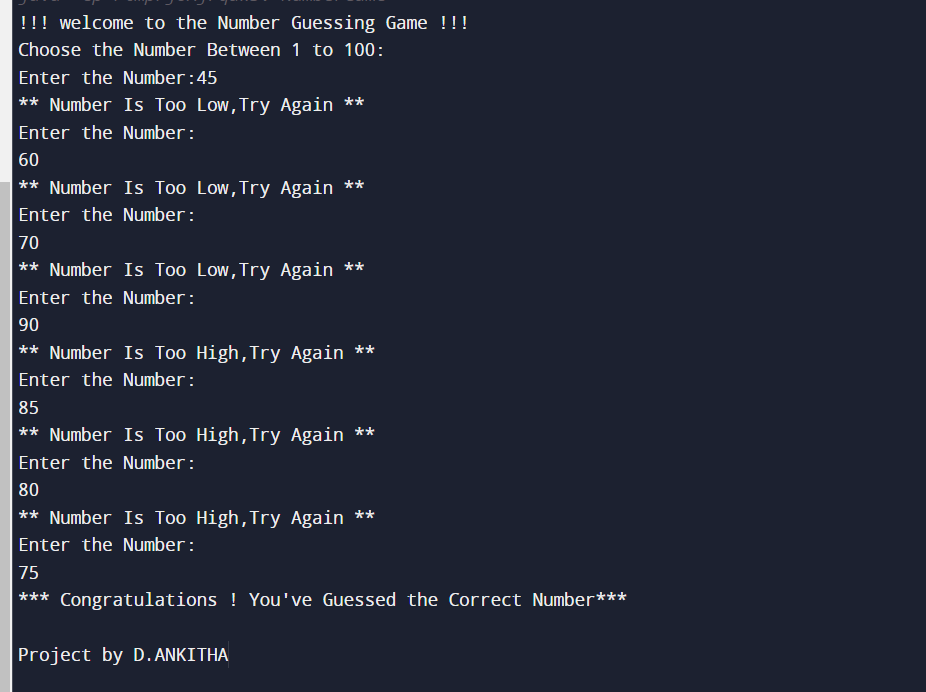
**}**

**}**

**}**

**}**

**OUTPUT :**

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