**PROJECT – 1**

**PROJECT NAME : NUMBER GUESSING GAME**

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**PROJECT SUMMARY :**

**The aim is to create a java program to choose the number between 1 to 100 in which the user needs to enter the program between 1 to 100 and we initialized the min value as 1 and max value as 100 as followed by the boolean expression to check whether the given condition is true or not,if the given condition is true,we will use conditional statements to check the conditions if it is within the range or not**

**> the user needs to enter the number**

**>if the user number is less than random number it will print”Number is too low,try again\*\*”**

**>if the use number is greater than random number it will print”Number is too high,try again\*\*”**

**>if the above condition is not applicable (or) false it will print “congratulations! You’ve guessed the 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 :**

