

## CODSOFT TASK 1

### NUMBER GAME

CODE:-

```
package Number;
import java.util.*;
import java.util.Random;

class game{
    Scanner sc=new Scanner(System.in);
    Random r=new Random();
    int number =r.nextInt(100)+1;
    int guessnum,n;

    void gamestart() {
        int attemptleft=10;
        do {

            System.out.println("Enter number:");
            guessnum=sc.nextInt();
            attemptleft--;
            if(guessnum>number) {
                System.out.println("Too high");
            }

            if(guessnum<number) {
                System.out.println("Too low");
            }

            if(guessnum==number) {
                System.out.println("Yayyy!!...You won");
                break;
            }
            if(attemptleft==0) {
                System.out.println("You lost!");
                System.out.println("0 attempts left");

                break;
            }

        }while(guessnum!=number || attemptleft!=0);
    }
}

public class main {

    public static void main(String[] args) {
        // TODO Auto-generated method stub

        Scanner sc=new Scanner(System.in);
        game g=new game();
        int n;
```

```

        System.out.println("Welcome to NUMBER GAME");
        System.out.println("_____");
        System.out.println("Lets guess the number");
        System.out.println("You have 10 attempts");
        System.out.println("_____");
        g.gamestart();
        do {
            System.out.println("Do you want to play again? Select option");
            System.out.println("1)Yes\n2)No");
            n=sc.nextInt();
            if(n==1) {
                System.out.println("_____");
                System.out.println("Lets start the game!!");
                g.gamestart();

            }
        }while(n!=2);

        System.out.println("Thank you for playing NUMBERGAME!!!!");
    }
}

```