```
// Number Game Task

import java.util.*;

Class Numbergame{

  Public static void main(String[] args){

    Scanner sc=new Scanner(System.in);

    Random ran=new Random();

    int lowerbound=1;

    int upperbound=100;

    int maxattempts=6;

    int score=0;

    int roundsplayed=0;

    Boolean playagain=true;

    While(playagain){

      Int number=ran.nextInt(upperbound-lowerbound+1)+lowerbound;

      Int attempts=0;

      Roundsplayed++;

      System.out.println("\n Round " +roundsplayed+ ": Guess the number between " +lowerbound+ " and " +upperbound+ "!");

      System.out.println("The generated number is: "+number);

      While(attempts<maxattempts){

        System.out.println("Attempt " +(attempts+1)+ "/"+ maxattempts+ ":Enter your guess:");

        If(!sc.hasNextInt()){

          System.out.println("Invalid input, Please enter a number.");

          sc.next();

          Continue;

        }

        Int guess=sc.nextInt();
```

```
            Attempts++;
            If(guess<number){
              System.out.println("Too low! Try again.");
            }
            Else if(guess>number){
              System.out.println("Too high! Try again.");
            }
            Else{
              System.out.println("Congratulations! You guessed the number " +number+ "
in " +attempts+ " attempts. ");
              Score++;
              Break;
            }
          }
          If(attempts==maxattempts){
            System.out.println("Out of attempts! The correct number was" +number+".");
          }
          System.out.println("Score:"+score+"|Rounds played:" +roundsplayed);
          System.out.println("Do you want to play again?(yes/no):");
          String response=sc.next().toLowerCase();
          Playagain=response.equals("yes");
        }
        System.out.println("Thanks for playing! Your final score:" +score);
        sc.close();
    }
}
```