

```

import java.util.*;

public class randomnum {

    int compute;

    public randomnum(){

        Random number=new Random();

        compute=number.nextInt( 100);

        System.out.println("Guess the number rom 1 to 100");
    }

    public int computenumber(){return compute;}

}

```

```

class Play{

    static int takeuserinput(){

        int user;

        System.out.println("Enter");

        Scanner cd=new Scanner(System.in);

        user=cd.nextInt();

        return user;

    }

}

```

```

static void iscorrectnumber(int i,int j){

    if(i==j){

        System.out.println("Correct Number is guessed");

    }

    else if(i>j){

        System.out.println("given number is bigger than compute number");

    }

}

```

```

else{
    System.out.println("given number is smaller than compute number");
}
} public static void main(String[] args){
    int user=0,compute=0,itteration=0;
    randomnum R=new randomnum();
    do{
        user=takeuserinput();
        compute=R.computenumber();
        iscorrectnumber(user,compute);
        itteration++;

    }while(user!=compute);

    System.out.println("your Guess number is in "+itteration+ " Iteration");

}
}

```

#OUTPUT

```

PS C:\Users\hp> & 'C:\Program Files\Java\jdk-21\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\hp\AppData\Local\Temp\vscodesws_4cae2\jdt_ws\jdt.ls-java-project\bin' 'Play'
Guess the number rom 1 to 100
Enter
50
given number is bigger than compute number
Enter
45
given number is bigger than compute number
Enter
40
given number is bigger than compute number
Enter
35
given number is bigger than compute number
Enter
20
given number is bigger than compute number
Enter
10
given number is smaller than compute number
Enter
15
given number is bigger than compute number
Enter
12
given number is smaller than compute number
Enter
13
Correct Number is guessed
your Guess number is in 9 Iteration

```