```java
import java.util.*;

public class  numrandom {


int compute;

public numrandom (){


   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){
```

```java
        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;

        Genrandom R=new Genrandom();

        do{

           user=takeuserinput();

           compute=R.computenumber();

           iscorrectnumber(user,compute);

           itteration++;



        }while(user!=compute);

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

    }

}
```

#OUTPUT

```
PS D:\New folder\Desktop\java programs> & 'C:\Program Files\Java\jdk-22\bin\java.exe' '--enable-preview' '-XX:+ShowC
odeDetailsInExceptionMessages' '-cp' 'C:\Users\THIS\AppData\Roaming\Code\User\workspaceStorage\13d749493d08d237cbd4ed
997ddd5184\redhat.java\jdt_ws\java programs_75069c12\bin' 'Play'
Guess the number rom 1 to 100
Enter
40
your number is smaller than compute number
Enter
60
your number is smaller than compute number
Enter
80
your number is smaller than compute number
Enter
90
your number is bigger than compute number
Enter
85
your number is bigger than compute number
Enter
82
Correct No. is gussed
your Guess number is in 6  Itteration
```