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Roll No : 20051891

import java.util.*;

~~(Q:-)~~ @ class Amman extends Exception {

 public String toString() {

 return super.toString() + "I am toString";

 }

 public String getMessage() {

 return super.getMessage() + "I am getMessage";

 }

 }

 public class exceptionclass {

 public static void main(String[] args) {

 int a = 8;

 Scanner sc = new Scanner(System.in);

 int b = sc.nextInt();

 if (a < 9) {

 try {

 throw new My();

 }

 } catch (Exception e) {

 System.out.println(e.getMessage());

 e.printStackTrace();

 }

 }

Name :- Subhranupta.

Roll No. :- 20051871.

```
class interfaceTest1 {
    public static void main (String args[]) {
        Area a = new SingleRoom ();
        System.out.println ("Area of room is " + a
                            .area(4,7));
    }
}
```

Or.

We can also make object and reference of
SingleRoom class:

```
class interfaceTest1 {
    public static void main (String args[]) {
        SingleRoom a = new SingleRoom ();
        System.out.println ("Area of Room is "
                            + a.area(4,7));
    }
}
```

Name :- Subratan Chakrabarti
Roll No. :- 20051871

⑥ First of all it is mandatory to make catch block with try, but if we do not handle it with proper ~~catch~~ catch block, then JVM automatically handle it. This condition arise when we declare broken catch block for particular exception like if we declare for ~~zero~~ catch block for zero division ~~but if there is no~~ and there is no general catch block, so it is very difficult to catch another exception.

a) :-

* interface Area.
~~protected area~~
public area(int x, int y);

3.

class SingleRoom implements Area {

public area(int x, int y) {

int i = x;

int j = y;

return (i * j);

3

3.

Name :- Subrita Gupta.

Roll No. :- 20051871.

```
class interfaceTest {  
    public static void main (String args[]) {  
        Area a = new SingleRoom();  
        System.out.println ("Area of room is " +  
                           a.area(4,7));  
    }  
}
```

Or.

We can also make object and reference of.
singleRoom class:

```
class interfaceTest {  
    public static void main (String args[]) {  
        SingleRoom a = new SingleRoom();  
        System.out.println ("Area of Room is "  
                           + a.area(4,7));  
    }  
}
```

Name : Srikant, May

Roll No : 20051831

Q2:

```
public class StringTest {
    public static void main (String args) {
        String s1 = new String ("JAVA");
        StringBuffer str1 = new StringBuffer ("JAVA");
        str1.append (String.valueOf (s1));
        System.out.println ("The copy string is = " + str1);
        StringBuffer str2 = new StringBuffer ("JAVA");
        str2.insert (3, s1);
        System.out.println ("The updated string is = " + str2);
        String s3 = new String ("JAVA-YA");
        StringBuffer str3 = new StringBuffer ("JAVA-YA");
        str3.replace (3, 4, s3);
        System.out.println ("Are reference of str3 and str3 same ? "
                           + (str3 == str3));
    }
}
```

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