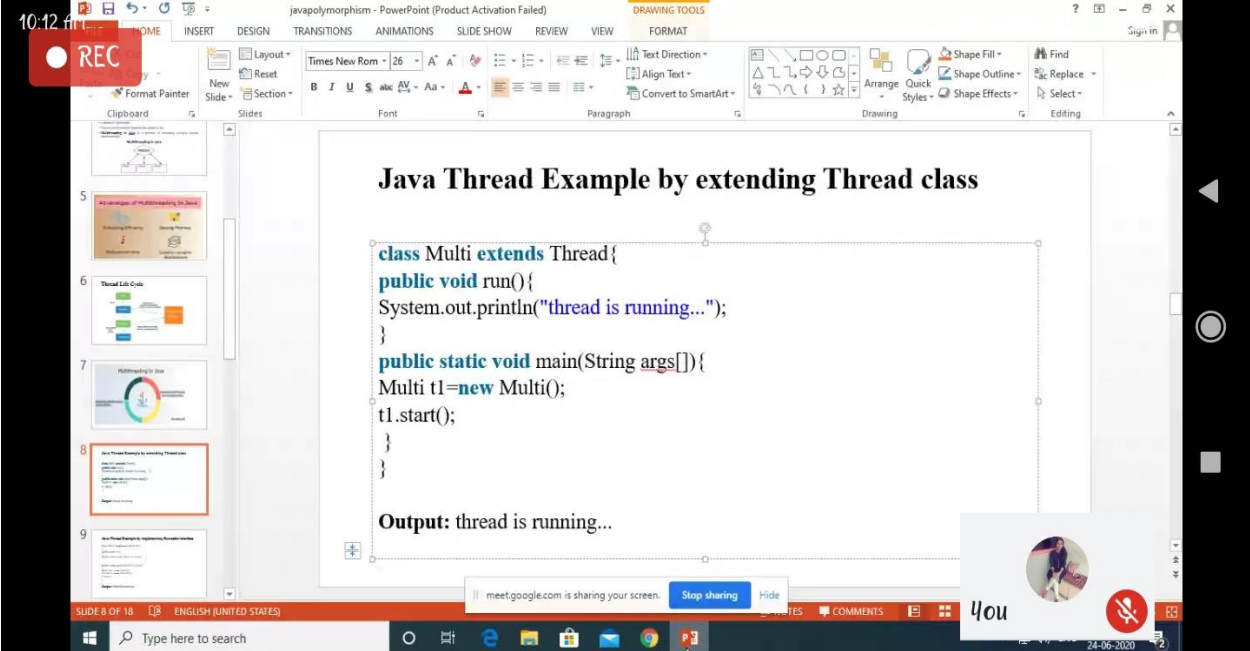


## **DAILY ONLINE ACTIVITIES SUMMARY**

<b>Date:</b>	24 June 2020	<b>Name:</b>	Asha Rudrappa Totagi
<b>Sem&amp; Sec</b>	6 <sup>th</sup> sem& A sec	<b>USN:</b>	4AL17CS015
<b>Pre-Placement Training Summary</b>			
<b>Subject</b>	9:00 am to 11:00 am - Programming in Java  11:00 am to 1:00pm - Programming challenges on Stack and Queue		
<b>Faculty</b>	1. Ms. Shilpa  2. Mr. Venkatesh	<b>Duration</b>	1. 2 hours  2. 2 hours
<b>Online Coading</b>			
<b>Problem Statement</b> <b>Program 1:</b> Create a class named 'Shape' with a method to print "This is This is shape". Then create two other classes named 'Rectangle', 'Circle' inheriting the Shape class, both having a method to print "This is rectangular shape" and "This is circular shape" respectively. Create a subclass 'Square' of 'Rectangle' having a method to print "Square is a rectangle". Now call the method of 'Shape' and 'Rectangle' class by the object of 'Square' class.			
<b>Status: DONE</b>			
<b>Uploaded the report in Github</b>		<b>YES</b>	
<b>If yes Repository name</b>		<b>Daily Status</b>	
<b>Uploaded the report in slack</b>		<b>YES</b>	

## Online Pre-placement Training



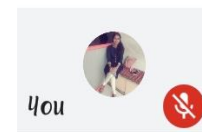
The screenshot shows a PowerPoint presentation titled "Java Thread Example by extending Thread class". The slide contains the following Java code:

```
class Multi extends Thread {  
    public void run() {  
        System.out.println("thread is running...");  
    }  
    public static void main(String args[]) {  
        Multi t1=new Multi();  
        t1.start();  
    }  
}
```

Below the code, it says "Output: thread is running...". The presentation is being shared via a Google Meet link, and a "REC" (Recording) icon is visible in the top left corner.

## Write a C Program to sort the stack in ascending order using temporary stack

- Hint:
  - Create a temporary stack say **tmpStack**.
  - While input stack is NOT empty do this:
    - Pop an element from input stack call it **temp**
    - while temporary stack is NOT empty and top of temporary stack is greater than temp, pop from temporary stack and push it to the input stack
    - push **temp** in temporary stack
  - The sorted numbers are in tmpStack



## Coding Challenges Details:

### Program 1:

```
class Shape{
    public void print_shape(){
        System.out.println("This is shape");
    }
}

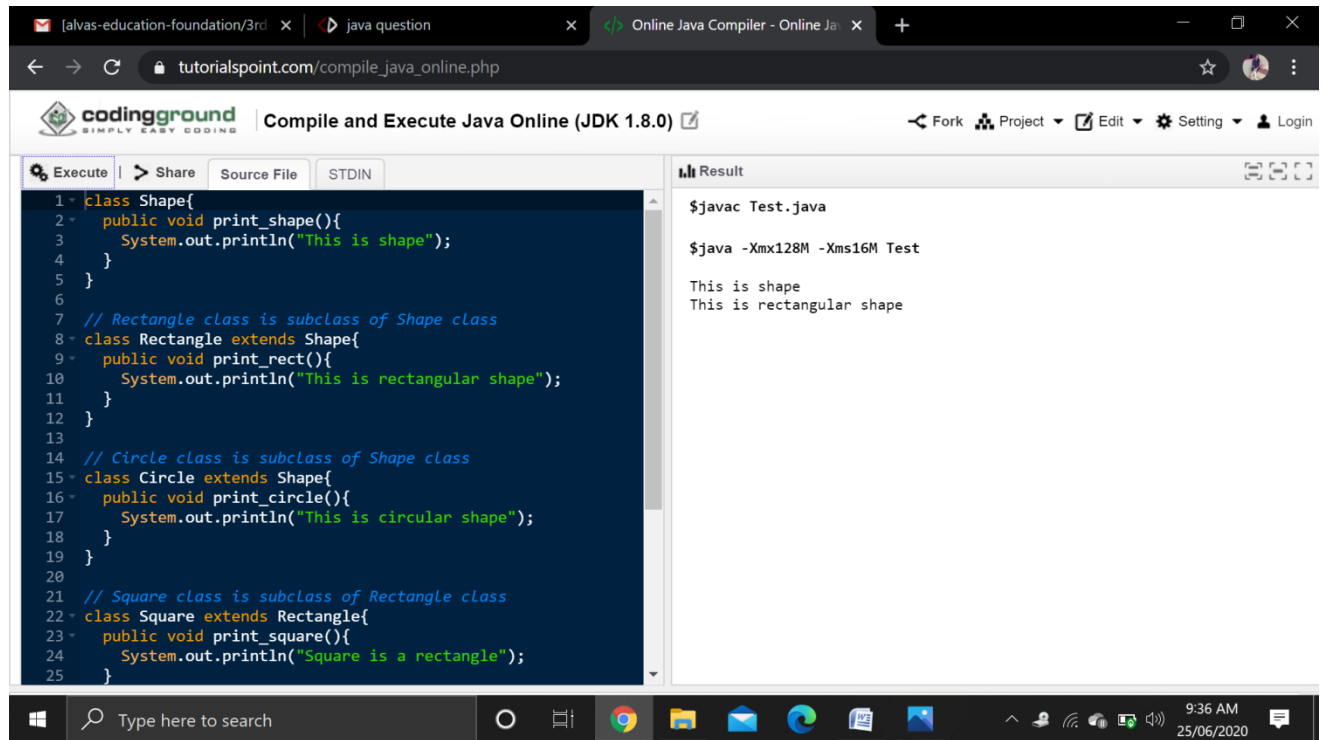
// Rectangle class is subclass of Shape class
class Rectangle extends Shape{
    public void print_rect(){
        System.out.println("This is rectangular shape");
    }
}

// Circle class is subclass of Shape class
class Circle extends Shape{
    public void print_circle(){
        System.out.println("This is circular shape");
    }
}

// Square class is subclass of Rectangle class
class Square extends Rectangle{
    public void print_square(){
        System.out.println("Square is a rectangle");
    }
}

// main class
public class Test{
    public static void main(String[] args){
        Square sq = new Square(); // creating object of Square class
        sq.print_shape(); // Object of Square class calling function of Shape
class
        sq.print_rect(); // Object of Square class calling function of Rectangle
class
    }
}
```

## Output:



The screenshot shows a web browser window with the URL `tutorialspoint.com/compile_java_online.php`. The page title is "Compile and Execute Java Online (JDK 1.8.0)". The interface includes a "Execute" button, a "Share" button, and tabs for "Source File" and "STDIN". The source file contains the following Java code:

```
1 class Shape{
2     public void print_shape(){
3         System.out.println("This is shape");
4     }
5 }
6
7 // Rectangle class is subclass of Shape class
8 class Rectangle extends Shape{
9     public void print_rect(){
10        System.out.println("This is rectangular shape");
11    }
12 }
13
14 // Circle class is subclass of Shape class
15 class Circle extends Shape{
16     public void print_circle(){
17         System.out.println("This is circular shape");
18     }
19 }
20
21 // Square class is subclass of Rectangle class
22 class Square extends Rectangle{
23     public void print_square(){
24         System.out.println("Square is a rectangle");
25     }
26 }
```

The "Result" tab shows the output of the compilation and execution:

```
$javac Test.java
$java -Xmx128M -Xms16M Test
This is shape
This is rectangular shape
```

The Windows taskbar at the bottom shows the time as 9:36 AM on 25/06/2020.