

DAILY ONLINE ACTIVITIES SUMMARY

Date:	20/06/2020	Name:	M.C Suchithra Heggade
Sem & Sec	VI & A sec	USN:	4AL17CS047
Online Test Summary			
Subject	Programming in C++(Quiz)		
Max. Marks	-	Score	-
Pre-Placement Training Summary			
Pre placement training	9:00 am to 11:00 am - Programming in C++ 11:00 am to 1:00pm – Programming in C++		
Faculty	Mrs. Ankitha Shetty	Duration	4 hr
Assessments			
Problem Statement: 1. Examples and Exercises on python. 2.Array rotation Write a C Program to rotate an array by K positions. 3.Method overloading Write a Java Program to find area of Square, Rectangle and Circle using Method Overloading.			
Status: Completed			
Uploaded the report in GitHub		Yes	
If yes Repository name		https://github.com/Suchitraheggade/Workshop-on-Application-DA-and-ML https://github.com/Suchitraheggade/Pre-Placement-Training	
Uploaded the report in slack		Yes	

Training snapshots:

The screenshot shows a Google Meet window with a PowerPoint presentation titled "C++ programming - PowerPoint (Product Activation Failed)". The presenter is Ankitha Shetty. The slide is titled "Major features of OOP:" and lists four features:

- **Abstraction:** Data Abstraction is the property by virtue of which only the essential details are displayed to the user
- **Encapsulation:** Encapsulation is defined as the wrapping up of data under a single unit
- **Inheritance:** Inheritance is an important pillar of OOP(Object Oriented Programming). It is the mechanism in which one class allow to inherit the features(fields and methods) of another class.
- **Polymorphism:** Polymorphism refers to the ability to take more than one from.

The bottom of the screen shows the Windows taskbar with the time 09:26 and date 20-06-2020.

The screenshot shows a Google Meet window with a PowerPoint presentation titled "C++ programming - PowerPoint (Product Activation Failed)". The presenter is Ankitha Shetty. The slide is titled "Static data member" and lists three points:

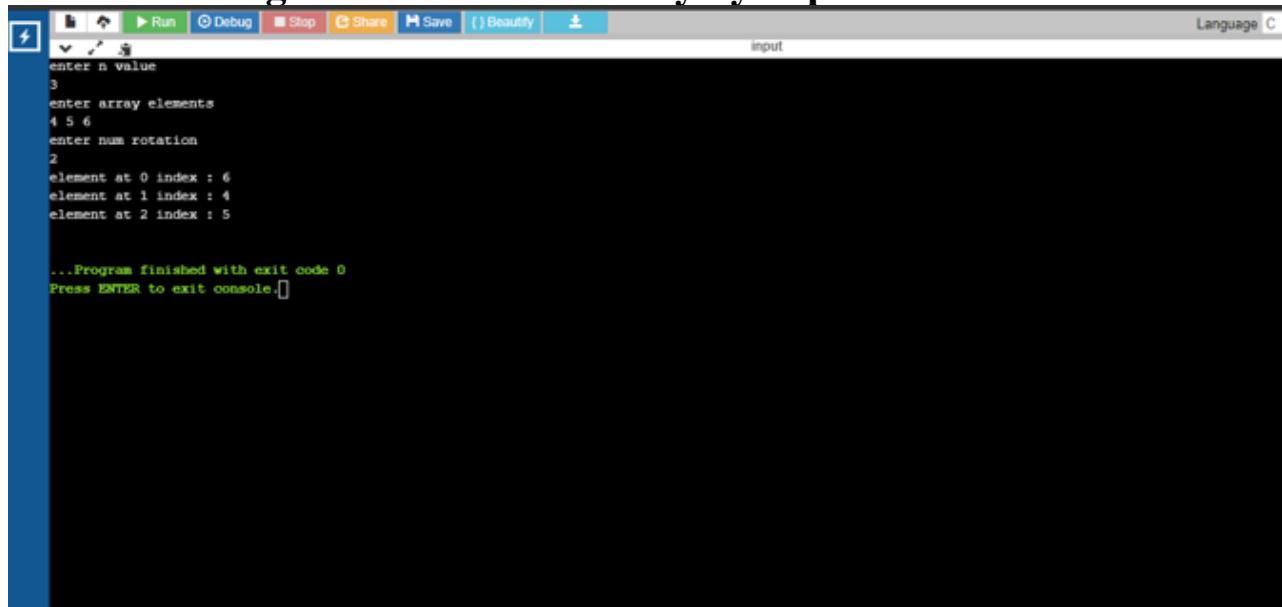
- Static variable are normally used to maintain values common to the entire class.
- For example, a static data member can be used as a counter that record occurrences of all the objects.
- A static member variable has certain characteristic:
 1. It automatically initialized to **zero** when the first object is created, no other initialization is permitted. Where a simple variable have initially garbage value.
 2. Only one copy of that member is created for entire class and shared by all objects of that class, no matter how many objects are created.
 3. It is visible only within a class, but its life time is the entire program.

The bottom of the screen shows the Windows taskbar with the time 09:51 and date 20-06-2020.

Coding Challenges:

1.Array rotation

Write a C Program to rotate an array by K positions.

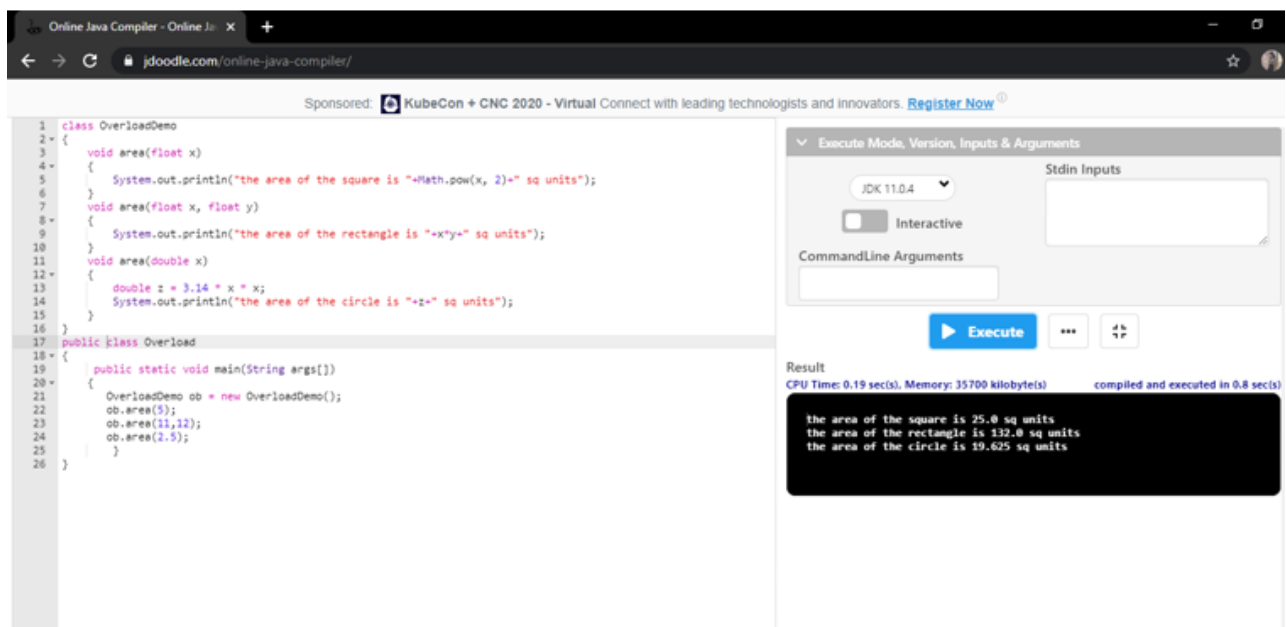


```
enter n value
3
enter array elements
4 5 6
enter num rotation
2
element at 0 index : 6
element at 1 index : 4
element at 2 index : 5

...Program finished with exit code 0
Press ENTER to exit console.
```

2.Method overloading

Write a Java Program to find area of Square, Rectangle and Circle using Method Overloading.



```
1 class OverloadDemo
2 {
3     void area(float x)
4     {
5         System.out.println("the area of the square is "+Math.pow(x, 2)+" sq units");
6     }
7     void area(float x, float y)
8     {
9         System.out.println("the area of the rectangle is "+x*y+" sq units");
10    }
11    void area(double x)
12    {
13        double z = 3.14 * x * x;
14        System.out.println("the area of the circle is "+z+" sq units");
15    }
16 }
17 public class Overload
18 {
19     public static void main(String args[])
20     {
21         OverloadDemo ob = new OverloadDemo();
22         ob.area(5);
23         ob.area(11,12);
24         ob.area(2.5);
25     }
26 }
```

Result
CPU Time: 0.19 sec(s). Memory: 35700 kilobyte(s) compiled and executed in 0.8 sec(s)

the area of the square is 25.0 sq units
the area of the rectangle is 132.0 sq units
the area of the circle is 19.625 sq units

Assessments:

Uploaded in GitHub account and respective link is provided below.

Python programming:

<https://github.com/Suchitraheggade/Workshop-on-Application-DA-and-ML>