



DEPARTMENT OF
COMPUTER SCIENCE AND ENGINEERING

Class, Objects, Object Arrays, Constructors, Methods

OBJECT ORIENTED PROGRAMMING
CSE 202



GREEN UNIVERSITY OF BANGLADESH

1 Objective(s)

- To gather knowledge of Class, Objects, Object Arrays, Constructors, Methods.
- To implement the constructor, array and methods.

2 Problem analysis

Object oriented programming is very important area of programming. In this lab, the main purpose to learn about object, class any others and also learn knowledge about constructor and array.

3 Write a program in java using parametric constructor

```
1 class Student3{
2     int id;
3     String name;
4     //method to display the value of id and name
5     void display(){System.out.println(id+" "+name);}
6
7     public static void main(String args[]){
8         //creating objects
9         Student3 s1=new Student3();
10        Student3 s2=new Student3();
11        //displaying values of the object
12        s1.display();
13        s2.display();
14    }
15 }
```

4 Input/Output

Output of the program is given below.

```
0 null
0 null
```

5 Discussion & Conclusion

From this experiments we learn about how to write a program in java. The different types of problem related to object oriented concept are implemented by all.

6 Lab Task (Write a program in java to implement constructor overloading)

6.1 Problem analysis

Take three constructor where first constructor will calculate the area of triangle, second constructor will calculate the area of rectangle and third constructor will calculate the area of circle using overloading constructor. **However, Input must be taken from users.**

7 Lab Exercise (Submit as a report)

- Implement the above problem using switch case statements.

8 Policy

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