

# OOP LAB-3

## Lab Statement

### General Instructions:

- 1) Read the question carefully.
- 2) Indent your code to make it readable and easier to debug.

In this lab, we will be focusing on classes and objects.

You are required to make 3 classes:

- 1.) DepartmentalStore: which tells the rate of different items based on the company.
- 2.) House: Represents a house in a colony and has functions about various expenditures
- 3.) Colony: This class represents Colony which has many Houses (in other terms various objects of House class)

Please attempt to write your code in the order above : i.e. first make the DepartmentalStore class , then House class and finally the Colony class.

**PLEASE READ THE JAVADOC CAREFULLY FOR THE DESCRIPTION OF METHODS IN EACH CLASS**

Test Case No.	Method Name	Marks
1	create_array()	1
2	basicExpenditurePerPerson()	1
3	basicExpenditurePerPerson()	1
4	totalExpenditureOnFood()	1
5	totalExpenditureOnFood()	1
6	ColonyEarnings()	1

7	DeptStoreEarnings()	1
8	DeptStoreEarnings()	1
9	HouseHavingMinimumExpenditure()	1
10	HouseHavingMinimumExpenditure	1

## Pointers to keep in mind:

1. Make sure to import java.io.\* and java.util.\*
2. Run it by creating a folder java and put class BankAccount.java. When you want to run it, type the following command in the terminal:

**java -jar test.jar**

(Remember to put test.jar in the same folder as 'java') Please type this out (don't copy it from the PDF).