# Object oriented programming using JAVA - LAB

## Assignment 4

### Total mark – 20

**Topic:** Array of objects, static  member in class

| Sl. No. | Question |
|---|---|
| 1. | Define a class **Employee** with the following members:<br>    **Data members:**  private String *empName*<br>                private String *empNo*<br>                private double basicSalary<br>    **Constructor:***Employee(String name, String eno, double salary)*<br>        Methods:    void *showEmpDetails( )*<br><br>Write a separate class called *EmpTest* with a main method that define an array of *n* employees where the value of *n* will be inputted by the user. Read and store the information of all *n* employees. Display the details of the employees. |
| 2. | Create a class *Account* having data members *accNo*, *balance*, *timePeriod* and *intInYears*(as static and initialize with **7.5%**). The class should also contain the following methods:<br>  • float *calculateInterst*() which calculates and returns the interest amount.<br>  • void *showAccDetails*() which displays account number, balance and calculated interest amount.<br>  • static void *changeIntRate*(float *newRate*) which changes the interest rate to *newRate*.<br>Create an array of object of the class *Account*. Store the details of each object through the parameterized constructor. Display all the account details by calling the method *showAccDetails*(). Change the interest rate to a new one by calling the function *changeIntRate*(). Finally display the account details after the change in interest rate. |