Mar Thoma Residential School, Tiruvalla

First Term Assessment -2020

Std :10   Computer Applications   Time : 30 mins

Marks : 20

1) Write one similarity and one difference between **equals()** and **compareTo()**   [2]

2) Write the output of the following :-

   a) System.out.println("BANGALORE".compareTo("BENFALURU"));   [1]

   b) String s="computer";   [2]

   System.out.println(s.charAt(s.length()-2));

   System.out.println(s.substring(3,5));

   c) String s="Malayalam";   [1]

   System.out.println(s.indexOf(s.charAt(5)));

3) Define a class **employee** with the following description: [7]

   Data members/Instance variables

   empcode   - to store the employee code

   empname   - to store the employee name

   basicpay   – to store the basic pay of an employee

   netsal   – to store the net salary of an employee

   Member methods:

   employee()   - default constructor to initialize the data members.

   void input()   – to accept the details of an employee.

   void salcal()   – to compute the salary of an employee.

   The salary is calculated according to the following rule.

   Net salary = basic pay + DA

   DA = 50% of basic pay

   void display() - to display the details of the employee(ie empcode , empname and net salary)

   Write a main method to create an object of the class and call the above member methods.

4) Writ a program to input a sentence and convert it into lower case. Print those words which begin and ends with a vowel. [7]

Sample input : Apple and Orange are fruits
Sample output :
apple
orange
are