**List of Programs**

**Subject Code: PCS-505 Subject: Java Programming Lab**

1. Write a program to display any message without using main method.
2. Write a program to give the example of following control statements.

2.1 Switch Statements.

2.2 For each style loop.

2.3 Labeled Loop (Use break and continue with such labels)

3. Write a program to demonstrate static variables, methods, and blocks.

4. Create a Java program to perform survey on four different model of Maruti (Maruti -K10, Zen-Astelo, Wagnor, Maruti- SX4) owned by person living in four metro cities(Delhi, Mumbai, Chennai & Kolkatta). Display tabulated report like format given below:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Maruti-K10 | Zen-Astelo | Wagnor | Maruti-SX4 |
| Delhi |  |  |  |  |
| Mumbai |  |  |  |  |
| Cheenai |  |  |  |  |
| Kolkatta |  |  |  |  |

Calculate numbers of cars of different model in each metro city.

5. Calculate the sum of rows & columns of matrix having size 5x5 in the format given below:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Quarter1 | Quarter2 | Quarter3 | Quarter4 | Total |
| Salesman1 |  |  |  |  |  |
| Salesman2 |  |  |  |  |  |
| Salesman3 |  |  |  |  |  |
| Salesman4 |  |  |  |  |  |
| Total |  |  |  |  |  |

6. Write a java program to demonstrate String & StringBuffer class and their methods.

7. Write a Java code to demonstrate define a class, describe its constructor, overload the Constructor, use this keyword and instantiate its object.

8. A class Telcall calculates the monthly phone bill of a consumer. Some of the members of the class are given below:

**Class name:**

Data members/instance variable : phno(phone Number), sname(subscriber Name ) n(number of calls made) and amt (bill amount).

**Member function/methods:**

TelCall() : Parameterized constructor to assign values to data members.

Void compute( ) : to calculate the phone bill amount base on the slabs given below.

Void display( ) : to display the details in the specified format.

**Number of calls Rate**

1 – 100 Rs. 500/- rental charge only

101 – 200 Rs 1.00 per call + rental charge

201-300 Rs. 1.20 per call + rental charge

Above 300 Rs. 1.50 per call + rental charge

9. Write a Java Program to implement array of object.

10. Write a program to demonstrate the uses of ‘super’ keyword.

\*\*\*