**AIM**

1. Define a class ‘product’ with data members pcode, pname and price. Create3 objects of the class and find the product having the lowest price.
2. Read 2 matrices from the console and perform matrix addition.
3. Add complex numbers
4. Read a matrix from the console and check whether it is symmetric or not.
5. Create CPU with attribute price. Create inner class Processor (no. of cores, manufacturer) and static nested class RAM (memory, manufacturer). Create an object of CPU and print information of Processor and RAM.
6. Write a Program to Sort strings
7. Search an element in an array.
8. Perform string manipulations
9. Program to create a class for Employee having attributes eNo, eName eSalary. Read n employ information and Search for an employee given eNo, using the concept of Array of Objects.
10. Area of different shapes using overloaded functions*.*
11. Create a class ‘Employee’ with data members Empid, Name, Salary, Address and constructors to initialize the data members. Create another class ‘Teacher’ that inherit the properties of class employee and contain its own data members department, Subjects taught and constructors to initialize these data members and also include display function to display all the data members. Use array of objects to display details of N teachers.
12. Create an interface having prototypes of functions area() and perimeter(). Create two classes Circle and Rectangle which implements the above interface. Create a menu driven program to find area and perimeter of objects.
13. Write a java program to model a vehicle system using the concept multivalued inheritance having classes vehicle,car,and the class contain the data members reg no speed,and functionality. The car class extend vehicle contains the data member.number car having data member battery,capacity,change levelled also contain constructor,and methods to display the data member
14. Prepare bill with the given format using calculate method from interface.

Order No.

Date :

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Product Id       Name       Quantity     unit price      Total

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101                  A               2                 25                   50

102                  B               1               100                 100

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Net. Amount 150