attributes eNumber eName salary read n employee information and search for an employee given eNumber using the concept of array of objects

Cycle 3

1. using the concept of method overloading find the area of different shapes rectangle, circle and square.

2. 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 ~~and~~ each data members and
also include display function to display all the data members ; use array of objects to display details of n teachers

3 Create a class person with data members name, gender, address, age, and a constructor to initialize the data members and another class Employee that inherits the properties of class person and also contains its own data members like EmpId, Company name, qualification, salary and its own constructor. Create another class Teacher that inherits the properties of class Employee and contains its own data members like subject, department, TeacherId and also contain constructors and methods to display the data members. Use array of objects to display details of N Teachers.

4 Write a program class Publisher, Book, Literature and fiction. Read the information and print the details of books from either the category using Inheritance.

5. Create classes Student and Sports. Create another class Result inherited from Student and sports. Display the academic and Sports score of a students.

6. Create an interface having prototypes of functions Area() and perimeter(). Create two classes circle and Rectangle which implements the above interface. Create a menu deiven program to find Area and perimeter of objects.

7. Prepare Bill with the given format using calculate method from interface

Order number

Date

product ID	Name	Quantity	Unitprice	Total
—				—
				—
—				

Net Amount —

8. Using the concept of method Overriding find the area of shapes - rectangle, circle and square.

9. Create an abstract class Shape with an abstract method find area to find the area of different shapes. Create subclasses rectangle, circle and square from Shape. Calculate and display area of Rectangle, Circle and Square:

to.

Topics (Tutorial)

1. Method Overloading
2. Inheritance (what? Types : syntax:) in Detail
3. Interface
4. Method Overriding
5. Abstract class