

Topic: Arrays, Class, Method, Constructor Fundamentals, this operator & association

1. Write a program to create a class Book with the following
  - a. Attribute:
    - isbn, title, author, price
  - b. Methods
    - Initialize the data members through parameterized constructor
    - displaydetails() to display the details of the book
    - discountedprice() : pass the discount percent, calculate the discount on price and find the amount to be paid after discount
  - c. Task
    - Create an object book, initialize the book and display the details along with the discounted price
  
2. Write a program to create a class Student with the following
  - a. Attribute:
    - studentId, name, contactNo, course, fees
  - b. Methods
    - Constructor to populate the objects
    - Display function to display the details of the students
    - Return the coursefees
  - c. Task
    - Create 5 students and perform the following
      - Display the student details coursewise
      - Display the total fees of all the students
  
3. Write a program to create a class Vehicle with the following
  - a. Attribute:
    - regno, brand, price, mileage
  - b. Methods
    - Constructor to initialize the vehicles
    - Display function to display the details of the vehicles
    - Return only the price of the vehicle
  - c. Task
    - Create 2 vehicles, enter the details. Display the vehicle with lowest price and display the vehicle with best mileage

4. Write a Java program with a method that checks whether password and confirmed password are equals or not.
5. Write a Java program with a method that checks whether two words are anagrams. An anagram is formed by using exactly the same letters of the original word, but with a different arrangement. For example, the letters in the word “Shakespeare” can be rearranged to form a word, “keshareapes”.
6. Create classes as shown in the diagram and test the classes

