Object-Oriented Programming

Subject: CSW2(CSE3141)
Session: Feb 2024 to April 2024
Branch: CSE&CSIT
Section : All

- Explain the different types of design approaches.

    – Monolithic approach
    – procedure-oriented approach
    – Object-oriented approach.

- Explain what is an object with suitable examples.

- Explain how to represent objects pictorially.

Q1. Write a program to create a bank account application and perform basic operations like withdraw and deposit.

   Note:

    – In the above question explain how to design the problem using object-oriented approaches.
    – In the design part pictorially represent to class Account and BankApp and the respective variable and methods
    – Explain encapsulation by making data member private and member functions public
    – Use the set, and get methods
    – Explain how to override the toString method with proper annotation.
    – Then implement it using Java.

Q2. Write a program to create an employee application that supports basic operations like setting employee details and displaying employee details. **Note:** *Tell the student to solve this question using the process of Q1.*

Q3. Write a program to create MobleApp to display what is the sim used in the mobile.
Note: *Tell the student to solve this question using the process of Q1.*

- Explain the constructors.

- Explain types of constructors with suitable examples (parameterized and non-parameterized).

Q4. Rewrite the Q1 and Q2 and Q3 with suitable constructors.