

# 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.