Java Bank Project – Question Statements

- 1. Design a simple Bank Management System using Java and Object-Oriented Programming concepts.
- 2. Create a base class Account with common fields like account holder name, account number, and balance. Include deposit and withdraw methods.
- 3. Create two subclasses: SavingsAccount and CurrentAccount, inheriting from Account.
 Add specific properties like interest rate and overdraft limit.
- 4. Override the withdraw() and displayDetails() methods in both subclasses to demonstrate runtime polymorphism.
- 5. Use access modifiers (private, protected, public) appropriately to implement encapsulation.
- 6. Implement a main class to create objects of SavingsAccount and CurrentAccount, and perform deposit, withdrawal, and display operations.
- 7. Demonstrate the use of constructor chaining using super() to initialize base class members from child classes.
- 8. Use typecasting to access subclass-specific methods using a base class reference.
- 9. Ensure that the project shows proper code reuse through inheritance and maintains clean modular structure.
- 10. Optional: Add functionality to calculate and apply interest for savings accounts.