Problem 1: Bank Account Create a class representing a bank account with attributes like account number, account holder name, and balance. Implement methods to deposit and withdraw money from the account.

Problem 2: Employee Management Create a class representing an employee with attributes like employee ID, name, and salary. Implement methods to calculate the yearly bonus and display employee details.

Problem 3: Vehicle Rental Create a class representing a vehicle rental system. Implement methods to rent a vehicle, return a vehicle, and display available vehicles.

Problem 4: Library Catalog Create classes representing a library and a book. Implement methods to add books to the library, borrow books, and display available books.

Problem 5: Product Inventory Create classes representing a product and an inventory system. Implement methods to add products to the inventory, update product quantity, and display available products.

Problem 6: Shape Calculation Create a class representing a shape with attributes like length, width, and height. Implement methods to calculate the area and perimeter of the shape.

Problem 7: Student Management Create a class representing a student with attributes like student ID, name, and grades. Implement methods to calculate the average grade and display student details.

Problem 8: Email Management Create a class representing an email with attributes like sender, recipient, and subject. Implement methods to send an email and display email details.

Problem 9: Social Media Profile Create a class representing a social media profile with attributes like username and posts. Implement methods to add posts, display posts, and search for posts by keyword.

Problem 10: ToDo List Create a class representing a ToDo list with attributes like tasks and due dates. Implement methods to add tasks, mark tasks as completed, and display pending tasks.