Object Oriented Programming

Keywords used in Questions with respect to Course Learning Outcomes (apply, describe, make, Give example, and explain)

Practice Questions

1. Make a class by name circle with radius as its member data. Provide constructors to initialize the objects of the class and find the area and circumference of a circle. Also make class diagram.

   Area=3.14*radius*radius

   Circumferemce=2*3.14* radius

2. Apply binary operator overloading concept to overload + operator to concatenate two strings.

3. Apply concept of function overloading to calculate area of circle and rectangle. Explain how function overloading will help in this case.

4. Give an example case that apply concept of single level inheritance. Make class diagram to justify your case.

5. Make an employee class that comprises an integer for storing the employee number and float for employee's compensation. Member function should allow the user to enter this data and display it. Main function should allow user to enter data for three employees and display it.

   *Also see examples in book for the covered topics.

   * See rules of Access specifiers mentioned in the book.

   * See list of operators that can be overloaded and the ones that cannot be overloaded.

   * Apply concepts of constructors in base class and derived class and observe the execution to clear the concept.
