***Python Programming***

***Lab Exercise –15 (OOP - 1)***

Write all questions in Lab record

1. Create Rectangle class with attributes length and breadth and implement methods to determine area and perimeter. Create a Rectangle object and find its area and perimeter.
2. Create a class Flower (name). Add the attribute petalColor at runtime. If the flower has the attribute petalColor then display ‘<petalColor> <name>’ else display ‘Unknown Flower’.
3. Create class Book (title, author). Add attribute ‘publisher’ at runtime. If the attribute ‘publisher’ is available in Book object, then print <title> written by <author> is published by <publisher>, else print ‘Unknown Publisher’

4. Create a Bank account with members account number, name, type of account and balance. Write constructor and methods to deposit at the bank and withdraw an amount from the bank.

5. Create a class Rectangle with private attributes length and width. Overload ‘<’ operator to compare the area of 2 rectangles.