

Python Programming

OOP

Instruction:

- **Make all the variables Private. Use setters and getters for accessing variables within the class.**
- **Use Display function to display all results if necessary.**
- **Use decorator for every function used. It should display the name of function, arguments passed and return value in a proper format.**

Task1:

Write a program to create a class representing a Circle. Include methods to calculate its area and perimeter.

Task2:

Write a program to create a person class. Include attributes like name, country and date of birth. Implement a method to determine the person's age.

Task3:

Write a Python program to create a calculator class. Include methods for basic arithmetic operations.

Task4:

Write a Python program to create a class representing a shopping cart. Include methods for adding and removing items, and calculating the total price.