

OOPS Assignment

1. Create an empty class

```
class Dog:
    species = "Canis familiaris"
    def __init__(self, name, age):
        self.name = name
        self.age = age
buddy = Dog("Buddy", 9)
miles = Dog("Miles", 4)
```

2. Given the Dog class above retrieve the Object and class attributes.
3. Write a Python class named Circle constructed by a radius and two methods which will compute the area and the perimeter of a circle.
4. Write a Python class to reverse a string word by word.
For example:
 Input string : 'hello world'
 Expected Output : 'world hello'
5. Create a Student class and initialize it with name and roll number. Make methods to :
 - i) Display - It should display all information of the student.
 - ii) setAge - It should assign age to student
 - iii) setMarks - It should assign marks to the student.
6. Write a Python class named Rectangle constructed by a length and width and a method which will compute the area of a rectangle.

