

## Section Ten

# Class Objects

Complete the Following Tasks

### Task 1 Answer

Class objects allow for code organization centered around complex concepts. Use class objects to better organize code and practice the DRY principle

### Task 2 Answer

```
class Circle(Shape):  
    def __init__(self):  
        self.pi = 3.14159265359  
  
    def area(self):  
        radius = self.width * .5  
        radius = (radius * radius)  
        return self.pi * radius
```

### Task 3 Answer

Cat prints out bark. To make it print meow, we would give the Cat class its own speak method

```
class Animal:  
    def __init__(self):  
        self.height = 25  
        self.weight = 25  
  
    def speak(self):  
        return 'bark'  
  
class Cat(Animal):  
    pass  
  
cat = Cat()  
print(cat.speak())
```