

1st team assignment_Create a Class

Python Class

A Python class is like **an outline for creating a new object**. An object is anything that you wish to manipulate or change while working through the code. Every time a class object is instantiated, which is when we declare a variable, a new object is initiated from scratch.

```
class Flowers:
    def __init__(self, f_name, f_color):
        self.f_name = f_name
        self.f_color = f_color

    def function(self):
        print("Flower is " + self.f_name)

flower1 = Flowers("Rose", "Red")
flower1.function()
```

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You already know that to create a class you need to define **the class variables and methods**

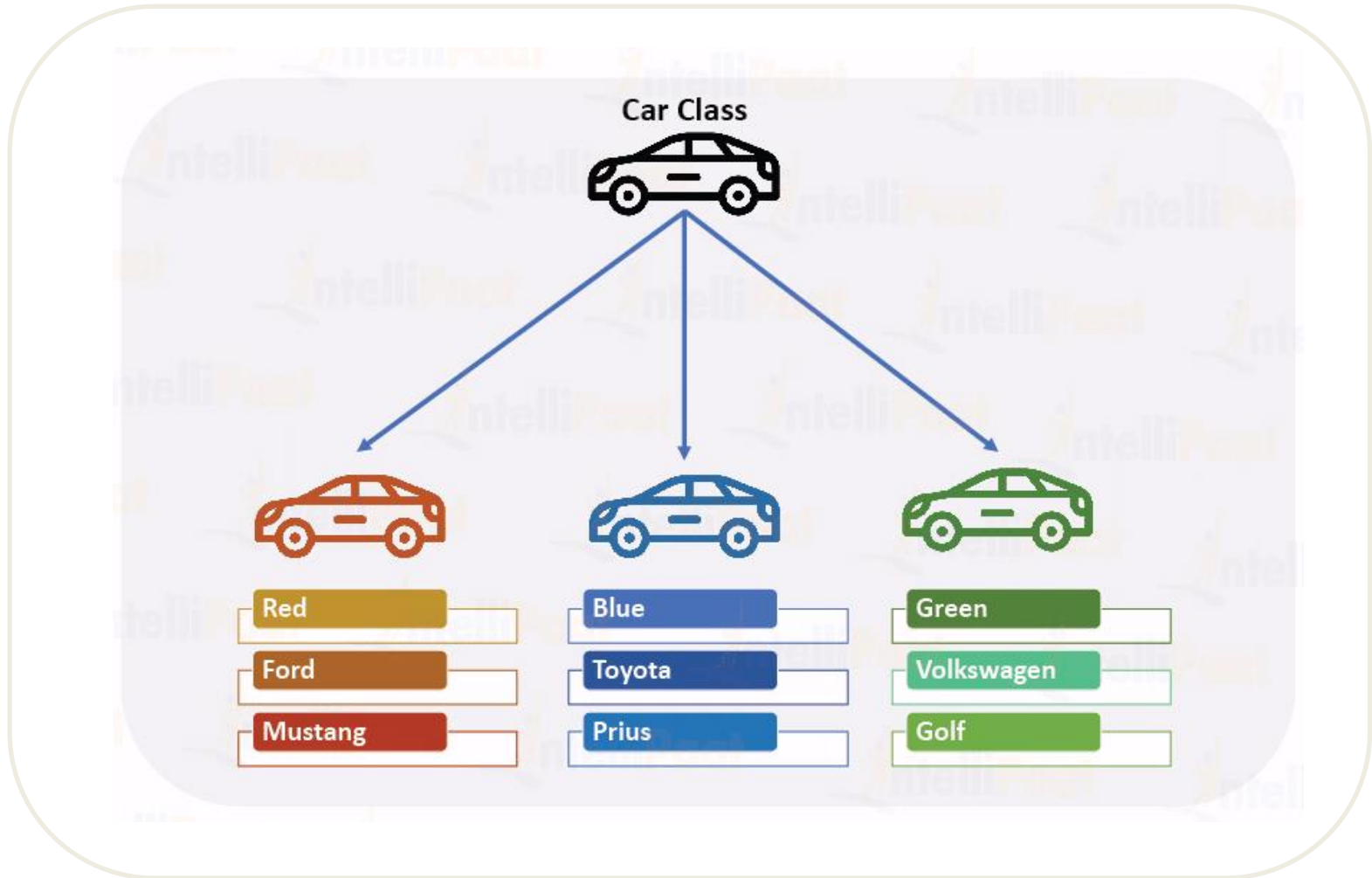


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You also know that **the instance variables and methods** are called the ***attributes*** of an object.

- The **information is stored** inside the object in ***instance variables***.
- The operations, called ***methods***, are functions that “live” inside the object.

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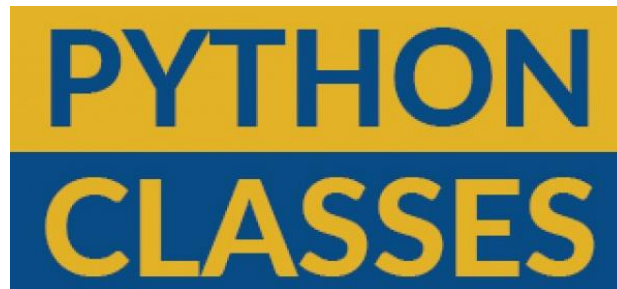


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Your task is to **create a class** with its corresponding **variable classes and methods**.

Feel free to create any class you want.

Then, in the same program, demonstrate that your class works by creating **some objects** and **testing some instance variables and methods** as we did in class with the n-sided die



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Deadline: November 17th 11:59 p.m

Format: Word document

Evaluation percentage: 20% of the final grade

Please, ADD COMMENTS TO EXPLAIN THE PROGRAM

Grading criteria:

- **The program runs (50%)**
- **Explanation through comments (20%)**
- **Degree of complexity (30%)**