

ASSIGNMENT 7

1. What is class in Python, and how it is used to create objects?

Answer :-

A **class** in Python is a blueprint or template for creating objects. It defines the properties (attributes) and behaviors (methods) that the objects created from it will have.

You can think of a class as a blueprint for a house, and objects as the actual houses built using that blueprint.

A class is defined using the class keyword, followed by the class name and a colon.

2. What are methods and attributes in Python Classes?

Answer :-

Attributes:

- Attributes (also known as **properties**) are variables that hold data related to the object.
- They define the characteristics of an object and are defined within a class.
- For example, in the Car class above, brand and model are attributes.

Methods:

- Methods are functions defined inside a class that describe the behaviors of an object.
- Methods can access and modify the attributes of an object.