**Date: - 18/12/2023**

**Topics: Oops, Modules**

* **Class: -**A Class is like an object constructor, or a "blueprint" for creating objects.
* **Object: -**A Class is like an object constructor, or a "blueprint" for creating objects.
* **Inheritance: -**Inheritance allows us to define a class that inherits all the methods and properties from another class.

1. **Single Inheritance:**

### ****2.Multiple Inheritance****

### 3. ****Multilevel Inheritance****:

### 4. ****Hierarchical Inheritance:****

### Polymorphism: -The word "polymorphism" means "many forms", and in programming it refers to methods/functions/operators with the same name that can be executed on many objects or classes.

* **Python Built-in modules: -**

**A Python module is a file containing Python definitions and statements. A module can define functions, classes, and variables. A module can also include runnable code. Grouping related code into a module makes the code easier to understand and use. It also makes the code logically organized**

**Examples: -**math, calc, sys.path, Date&Time

