WHat is Object Oriented Programming(OOP):

OOP is just a way of writing code. There are other ways as well like

functional programming.

Why we should learn about OOP?

1)It helps us maintain and modify the code easily.

2)It helps us write more secure code.

3) Simplify the development of large programs.

4)It helps us reduce duplicate code in our programs.

Main pillars of OOP

1)Classes and objects.

2)Inheritance.

3)Polymorphism.

4)Abstraction.

5)Encapsulation.

Classes and Objects?

A class is a template/Blueprint from which we create the objects.

An Object in programming is very similar to the objects that we have in real life.

Object:

Objects have states that defines how the object looks like. we define the states with the help

of Attributes/properties/fields inside a class.

Objects can also have behaviours(Things that object can do). We use methods to define these

behaviuors.