Oop Concept

Oop:- Object Oriented Programming.

It is a programming approach based on classes & objects.In simple language,oop is the method to represent the “real world entity” in programming.

Why use Oop in python?

Oop helps us to model real\_world objects as software objects. It makes code more reusable and easier to work with larger programs.

Oops features:-

1. Class & object
2. Polymorphism
3. Inheritance
4. Data Abstraction
5. Encapsulation

What is Class & object?

Class is a blueorint for an object. Like real world entity has some properties or behavior which is represented by class variable & method in programming.

Syntax:- class class\_name:

#variable

#method

Object:- As we know class is a logical entity while an object is a physical or real entity that works on classes data.

Note:-

1. Each object has a distrinct role or responsibility.
2. Object creates space on memory as prev class members.

Syntax:- obj\_name=class\_name()

Class A:

Def student(name):

#property

Xy=A(soumava)