2.What is OOP? List OOP concepts.

➢ Object Oriented Programming is a computer programming model that organizes software design around data,or objects,rather than functions and logic.

OOP Concepts:=

[1] Classes:A class defines the attributes and methods that the objects created from the class.

[2] Objects: They represent real-world entities and contain both data and methods that operates on the data.

[3] Encapsulation: It is defined as binding together the data and the functions that manipulate them.

[4] Abstraction: Abstraction means displaying only essential information and hiding the details.

[5] Polymorphism: Polymorphism is the ability of message to be displayed in more than one form.

[6] Inheritance: The capability of a class to derive properties and characteristics from another class is called Inheritance.

3. What is the difference between OOP and POP?

OOP	POP

1)The full form of OOP is Object-Oriented Programming.	1)The full form of POP is Procedural-Oriented Programming.
2)In this Program is divided into objects.	2)In this Program is divided into functions.
3)Inheritance property is used.	3)Inheritance property is not allowed.
4)It uses access specifier.	4)It doesn't use access specifier.
5)Encapsulation is used to hide the data.	5)There is No data hiding.
6) Adding new data and functions is easy.	6) Expanding new data and functions is not easy.
7) The existing code can be reused.	7)There is No code reusability.
8)It is used for solving big problems.	8)It is not suitable for solving big problems.