Oue\_2: What is OOP? List OOP concepts.

Defination: OOP stand for Object-Oriented Programming. Procedural programming is about writing procedures or methods that perform operations on the data, while object-oriented programming is about creating objects that contain both data and methods.

Object-oriented programming – As the name suggests uses objects in programming. Object-oriented programming aims to implement real-world entities like inheritance, hiding, polymorphism, etc. in programming. The main aim of OOP is to bind together the data and the functions that operate on them so that no other part of the code can access this data except that function.

**List of OOPs concepts:**

1. Classes and objects.
2. Abstraction.
3. Encapsulation.
4. Inheritance.
5. Polymorphism.