Q-2)What is OOP? List OOP concepts

OOP stands 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.

OOP can be used for manufacturing system simulation software.

OOP focuses on the objects that developers want to manipulate rather than the logic required to manipulate them. This approach to programming is well-suited for programs that are large, complex and actively updated or maintained.

**List of OOPs concepts:**

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