

# Module-4

## Opps concept

### **2. What is OOP? List OOP concepts?**

**Ans:-** Object-Oriented Programming (OOP) is a programming paradigm that uses "objects" to design software. Objects are instances of classes, which are blueprints defining attributes (data) and methods (functions or procedures) that the objects can use. OOP aims to model real-world entities and their interactions, providing a more modular and organized approach to programming.

### **3. What is the difference between OOP and POP?**

**Ans:-** Object-Oriented Programming (OOP) and Procedural-Oriented Programming (POP) are two different programming paradigms. Here are the main differences between them.

- ➔ **OOP:-**object oriented programming
- ➔ **1:** bottom up approach
- ➔ **2:-**OOP is inheritance support
- ➔ **3:-**code reusability support
- ➔ **4:-**data handling is possible in OOP due to programming.
- ➔ **5:-ex..** C++,java etc.....

- ➔ **POP:-** procedure oriented programming
- ➔ **1:-**top down approach
- ➔ **2:-**POP do not support inheritance
- ➔ **3:-**code reusability can't support
- ➔ **4:-**it is less secure then OOP
- ➔ **Ex...:-**C,fortran