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

OOP (Object-Oriented Programming) is a programming paradigm that uses objects and classes to structure code efficiently.

OOP Concepts in C++:

1. Class
2. Object
3. Encapsulation
4. Abstraction
5. Inheritance
6. Polymorphism

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

| Feature | OOP (Object-Oriented Programming) | POP (Procedure-Oriented Programming) |
| --- | --- | --- |
| Approach | Focuses on objects and classes | Focuses on functions and procedures |
| Data Security | Provides encapsulation | No data hiding, global data access |
| Code Reusability | Achieved through inheritance | Less reusability, functions reused manually |
| Complexity | Manages complexity well for large programs | Becomes complex as the program grows |
| Examples | C++, Java, Python (OOP-based) | C, Pascal (POP-based) |