

MODULE 4.1

Q2. What is OOP? List OOP concepts?

Ans. Object Oriented Programming language uses different blocks of classes which is used by object to implement code and reduces the effort of main function.

*List of OOP concepts

1. Class

2. Object

3. Inheritance

- Single level

- Multiple

- Multilevel

- Hierarchical

- Hybrid

4. Encapsulation/Data binding

5. Polymorphism

- Overloading

- Overriding

6. Access specifier/Access modifier/Data hiding

- Public

- Private(default)

- Protected

Q3. What is the difference between OOP and POP?

Ans.OOP

- OOP use blocks of classes which is reusable and can be called anytime and anywhere through objects.

- It reduces the efficiency of main function.

- It uses concepts like class, object, inheritance, encapsulation, polymorphism, access specifier.

POP

- POP follows a procedure to execute a code or we can say it checks the code in a sequence in a linear way.

- It mainly uses functions.

- It uses concepts like data handling, functions, sequential execution(line by line).