1:-What is oop? List oop concepts

OOP : Object-oriented programming.

Simple words oop is a computer programming model that organizes software design around data,or objects,rather function and logic

There are six concept in oop

1: Class

Class is like a blueprint of data member and member function and

2: Object

object is an instance of class

3:Encapsulation

Encapsulation in object oriented programming is the concept of wrapping together of data and information in a single unit

4:Abstraction

Abstraction is one of the important conecepts of object oriented programming.it refers to showing only relevant information to the outside world

5: Inheritance

Inheritance is the process which two classes have is a relationship.Reusability of code

6:Polymorphism

Polymorphism in one of the main features of oop allows us to reuse code by creating one function that’s usable for multiple uses.

2:-What is difference between OOP and POP

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| OOP | POP |
| Object oriented programming | Procedures oriented programming |
| It is less secure | It is high secure |
| It is possible to hide data | There is no data hiding mechanism |
| Has access specifiers | Do not have access specifiers |
| Divide the program into multiple objects | Divide the program into multiple functions |
| Supported by c++,java,and python | Supported by c,pascal fortran and cobol |