

(3) What is the difference between OOP and POP?

OOP

- ➔ Stand for Object Oriented Programming
- ➔ A Programming paradigm based on the concept of object, which contains data in the form of fields known as attributes, and code in the form of procedures known as methods
- ➔ Emphasis on objects
- ➔ Divides the program into multiple objects
- ➔ Modification is easier as objects are independent
- ➔ Objects Communicate with each other by passing Messages
- ➔ Each Object controls its own data
- ➔ It is Possible to hide data
- ➔ Has access specifiers
- ➔ Supported by C++, Java, and python

POP

- ➔ Stands for Procedural Oriented Programming
- ➔ A programming paradigm that is based upon the concept of the procedure calls
- ➔ Emphasis on Functions
- ➔ Divides the program into Multiple functions
- ➔ Modification are difficult as they can affect the entire program
- ➔ Functions Communicate with each other by passing parameters
- ➔ Functions share global variables
- ➔ There is no data hiding mechanism
- ➔ Do not have access specifiers
- ➔ Supported by C, Pascal, FORTRAN, and COBOL