*SE\_ASSIGNMENT\_M4*

Basic Concepts of OOP

# What is OOP? List OOP concepts.

* + A programming paradigm builds on the concept of object.

# Concepts of OOP:

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

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

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| OOP | POP |
| 1. object oriented programming 2. The main focus of OOP is on the date 3. program divided into parts known as object 4. it is a top to down approach 5. inheritance is allowed 6. supported by C++,   JAVA and PYTHON. | 1. procedural oriented programming 2. The main focus of POP is on the procedures 3. in this program are divided into function 4. it is button-up approach 5. inheritance is not allowed 6. supported by C,FRONTEN and PASCAL. |