• What is OOP? List OOP concepts

* OOPs refers to languages that use objects in programming, they use objects as a primary source to implement what is to happen in the code.
* The main aim of OOP is to bind together the data and the functions that operate on them so that no other part of the code can access this data except that function.
* Concepts of OOP
  1. Object
  2. Class
  3. Inheritance
  4. Polymorphism
  5. Abstraction
  6. Encapsulation
* What is the difference between OOP and POP?

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| OOP  (Object oriented programming) | POP  (Procedural Oriented Programming) |
| * OOP follows a bottom-up approach * A program is divided into objects and their interactions * Inheritance is supported * Access control is supported via access modifiers * For example:-C++ Language | * POP follows a top-down approach * A program is divided into functions and they interact * Inheritance is not supported * No access modifiers are supported * For example:-C Language |