1. What is OOP ? List OOP concepts.

* OOP is Object Oriented Programming System or Structure.
* List of OOPS concepts :

1. Class
2. Object
3. Encapsulation
4. Inheritance
5. Polymorphism
6. Abstraction
7. Dynamic Binding
8. What is the difference between OOP and POP ?

* OOP is an Object Oriented Programming Structure and POP is a Procedural Oriented Programming.

| **OOP** | **POP** |
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| [Object oriented](https://www.geeksforgeeks.org/introduction-of-object-oriented-programming/) | [Structure oriented](https://www.geeksforgeeks.org/difference-between-structured-programming-and-object-oriented-programming/) |
| Program is divided into objects. | Program is divided into functions. |
| Bottom-up approach. | Top-down approach. |
| Inheritance property is used. | Inheritance is not allowed. |
| It uses access specifier. | It doesn’t use access specifier. |
| Encapsulation is used to hide the data. | No data hiding. |
| Concept of virtual function. | No virtual function. |
| Object functions are linked through message passing. | Parts of program are linked through parameter passing. |
| Adding new data and functions is easy | Expanding new data and functions is not easy. |
| The existing code can be reused. | No code reusability. |
| Use for solving big problems. | Not suitable for solving big problems. |
| [C++](https://www.geeksforgeeks.org/c-plus-plus/), [Java](https://www.geeksforgeeks.org/java/). | C, Pascal. |