Module 3

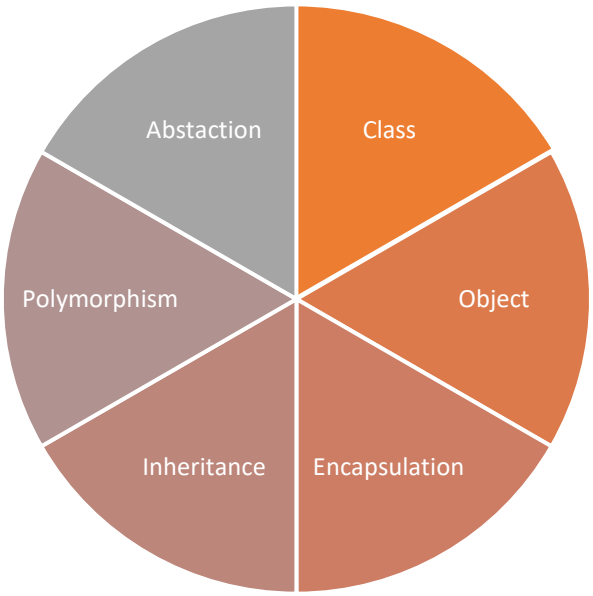
[Assignment]

Q-2) What is OOP? List OOP concepts

Ans: Object-oriented programming is a paradigm in programming that represents real-life objects or entities in code

- OOP is widely accepted as being far more flexible than other computer programming languages.
- Some Language that supports OOPS: Java, J2EE, C++, C#, Visual Basic.NET, Python and JavaScript

There are mainly 6 oops concept:



Q-3) What is the difference between OOP and POP?

Ans:

OOP	POP
• **Object oriented**	• Structure oriented
• **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.
• **E.g: C++, java**	• E.g.: C, Pascal