

Introduction and Overview of OOP

• Overview Of OOp

OOP i.e. Object-Oriented-Programming(OOP) is a programming concept that uses class and object.

OOP concept is used to implement real world scenarios in programming or we can say that OOP concept in programming came from real world behaviour and scenarios.

There are various major benefits of OOP concept in programming language:-

- Programming languages achieves a level of security.
- Using OOP, a programmer is able to build and maintain high scalable application easily.
- It also provides efficiency to understand a program easily and reusability of a program.

History:

OOP concept was created (or coined) by "Alan Kay" in 1967. The first OOP language was Simula.

Java's OOP came from C++.

Java is more object oriented and secure than C++(given by Bjarne Stroustrup).

Java OOP was given by James Gosling. There was a famous quote about java by Sir " James Gosling" during the launch of java that " Java is C++ without the guns, clubs and Knives".

OOP's

There is no term like OOPs in programming, it is OOP's.

The concept under the Object-Oriented-Programming(OOP) are known as OOP's concept.

Given below a list of concepts:-

- i. Class
- ii. Object
- iii. Abstraction
- iv. Encapsulation
- v. Inheritance
- vi. Polymorphism