

Object-oriented vs Procedural Programming

Agenda

- Difference between Object-oriented and Procedural Programming

PP follows top-down approach but OOPs follows bottom-up approach.

PP works with functions but object oriented divides the program objects designated to real world entities.

PP lacks security whereas encapsulation which is one of the pillars of OOPs enables security

PP doesn't emphasize on code reusability but OOps does

PP doesn't focus much on modularization hence its hard to develop and manage whereas modularization is achievable by OOPs

Examples

Summary

- PP follows top-down approach but OOPs follows bottom-up approach.
- PP works with functions but object oriented divides the program objects designated to real world entities.
- PP lacks security whereas encapsulation which is one of the pillars of OOPs enables security
- PP doesn't emphasize on code reusability but OOps does
- PP doesn't focus much on modularization hence its hard to develop and manage whereas modularization is achievable by OOPs
- Eg of PP: C, VB, etc.
- Eg of OOPs: Java, Python, etc.