

oop1 - Version: 1  
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# Object Orient Introduction



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 1 days Course

## Description:

This one-day seminar, introduces the Object Orient programming essentials. The basic terminology is explained through both theory and examples. Participants will understand the advantages and disadvantages of the Object Orient paradigm.

## Intended audience:

The seminar is intended for Managers, Project Managers, Team Leaders, and programmers new to the field

## Prerequisites:

No prerequisites are needed.

## Objectives:

Upon completion of the seminar, the participants will understand the basic terms regarding Object Orient Paradigm, and its major advantages and disadvantages.

## Topics:

° OOP intro

° What is an object?

° Object – Structure, Identity, State and Behavior

° Object Operation, Attributes, Life Cycle, Interface and Implementation

° What is a Class?

° Relationships

° Association

° Aggregation

◦ Composition

◦ Generalization

◦ Multiple Specializations

◦ Polymorphism

◦ Software Productivity Factors

◦ Software Engineering Techniques

◦ OOP Central Concepts

° OOP Characteristics

° OOP Languages

° Traditional vs. OOP

° Design Approaches

° Procedural Decomposition

° Traditional Design Disadvantages

° Object-oriented Design Principle

° Objects by Their Roles

° Advantages

° Potential Disadvantages