

**ADVANTO**  
S O F T W A R E



# Java

The Key To Success

# OUR HISTORY, VISION, MISSION

## OUR HISTORY

Advanto (Formerly Peers IT Solutions) was established in 2012 by a group of IT professionals who had a passion for teaching and who wanted to pass on the knowledge they had accumulated over a period of 10 years to people who want to make a career in the IT industry.

The word Advanto is derived from the words Advantage and Technology. We combined them to form a name that would portray our belief that if you have an advantage of technology, you can do a lot of things in the IT industry

We wanted to provide the industry with people having good skills and people with the knowledge and ability to make a career in the IT industry. That is how we decided to transition from Peers to Advanto!

## OUR VISION

To bridge the gap between candidates and the corporate sector by creating skilled resources who can build their career in the industry and utilize their skills for the progress of the industry.

To become a leading institute for creating skilled candidates which sets a benchmark for other to follow.

## OUR MISSION

To provide candidates with knowledge that is at-par with the IT industry, but also in a pocket friendly way so that everyone can take benefit of our courses.

To provide training to candidates in various technologies by experts who have real-time industry knowledge so that candidates can start their career and be in sync with the industry.

To bridge the gap between the corporate sector and candidates.

To create our presence in the IT sector.

To provide corporate trainings to the companies as per their requirements.



## WHY ADVANTO

We strive to teach the latest and most advanced technologies to our candidates so that they are not left behind while the industry is making progress. Candidates can easily adapt to their work as they will be in sync with the same technology that is being used in the industry.

Our faculty consists of experienced, real-time working IT professionals which means that candidates get trained with the latest knowledge base.

We provide 100% placement assistance.

We have kept our training programs very cost-effective so as to ensure that everyone can take benefit of our courses. Candidates can attend the classes as many times as they want till they get placed. This ensures that they can keep themselves updated for interviews, clear their doubts on a topic (if it didn't get cleared the first time) and also cover up on any classes they may have missed.

We believe that candidates will have a lot of confidence when they

know that we are with them all the way in making their career. That's why, candidates have an option to pay after they get placed!

During the course, candidates get to face mock interviews by industry experts. This gives them the benefit of facing real life interviews in the course itself!

We provide 24X7 support to candidates even after they get placed.

During their course, candidates get to work on live projects, giving them exposure of scenarios from the industry.

We also have online training courses. This gives you the freedom to learn while you work / study / run your home, with the comfort of being anywhere you want!

We have a great lab facility and infrastructure to complement our excellent faculty.

# Core Java

## Introduction

- Java Language
- Java Platform
- Java Technologies
- History of Java

## Java Vs C

- Similarities b/w C & Java
- Difference b/w C & Java

## Standard Edition of Java

- JDK
- PATH
- CLASSPATH

## Data Types

- Int
- Float
- Char
- Double
- Boolean
- Short
- Long
- Byte

## Object Oriented Programming

- Class & Object
- Encapsulation
- Attributes (Properties)

Operations (Methods)

Reference Vs Object

Real time Object Oriented Examples

## Constructor

No Argument Constructor

Parameterized Constructor

Constructor Overloading

Explicit Vs Implicit Default Constructor

## Wrapper Class

## Accessibility Models

- Private
- Protected
- Default
- Public

## Inter-Object Communication

Message Passing

Message Sender

Message Receiver

Message

## Arrays

## Static Modifier

Static Variables

Static Methods

Static Blocks

Static Classes

## Method Overloading

## Inheritance

- Implementing Inheritance in Java
- Types of Inheritance
- Super Class
- Sub Class
- Constructors in Inheritance
- Method Overriding
- Abstract Classes
- Abstract Methods

## Polymorphism

- Static Polymorphism
- Dynamic Polymorphism
- Static Vs Dynamic Binding

## Interfaces

- Interfaces Vs Abstract Class
- Role of Interfaces in Real time
- Interfaces Inheriting from-
  - other Interfaces
- Declarative Multiple Inheritance -
  - using Interfaces

## Packages

### String Handling

- String
- String Buffer
- String Handler

### Exception Handling

- Types of errors
- Need of Exception Handling

- Try, Catch, throws, Finally
- Try with resources
- Exception Hierarchy
- User Defined Exceptions

## IOStreams

- Byte Oriented Streams
- Character Oriented Streams
- Java.io.File Class
- Object Serialization

## Multithreading

- Multi tasking Vs Multithreading
- Life Cycle of Thread
- Java.lang.thread Vs Java.lang.runnable
- Developing Multithreaded Applications
- Synchronization
- Dead Lock
- Inter-thread communication

## Inner Classes

- Inner Class
- Nested Class
- Different types of Nested Classes

## Java.lang.object Class

## Garbage Collection

## Java.util.properties

## Java.util.string Tokenize

## Dealing with date & time

## Collection Framework

## Annotations

## Java 8 Features



# Advanced Java

## JDBC

- Creating a Database & Tables
- Getting Information from Database
- Obtaining Result Set Information
- Connecting a Java Program to DB
- Prepared Statement & Statment -  
-classes in java
- Inserting, Updating & Deleting data

## Java Servlets

- What is a web Application
- Java Servlets
- Servlet Lifecycle
- Servlet Context
- Session Management
- Building the first Servlet
- Deploying the Servlet

## JSP

- What is a JSP page
- Basic HTML tags
- JSP Tag Library
- JSP Page Lifecycle
- Creating first dynamic web page
- MVC Architecture

## Web Technologies

### Struts Framework

- Introduction
- Actions
- Validation Framework

- Interceptors
- Results
- Data Tags
- UI Tags
- Architecture

### Hibernate Framework

- Technologies for Persistency
- Introduction to ORM
- Hibernate Architecture
- Hibernate API
- Configuration Properties
- CRUD Operation
- Inheritance in Hibernate
- Component Mapping
- Collection Mapping
- One-to-many, Many-to-many Relations
- HQL (Aggregate Function ,clauses ,Criteria)

### Spring Framework

- Introduction to Spring
- IOC
- DI
- AOP
- Bean Lifecycle
- Types of Injection
- Inheritance & Composition
- Collections
- Bean Auto Wiring
- DAO

# Our Recently Placed Students



Simran  
Metro Global



Arpan  
Gurukul



Pravin  
Definetics



Swapnil  
Xalted



Prashant  
Innoye Technologies



Sayali  
Vavni



Nikhil  
Persistant



Pranit  
UBI Soft



Pravin  
Isourte Infosystems



Shubam  
Fiserv



Komal  
Euranet World Wide



Neha  
Wifi Soft



Ashwin  
Live Health



Chandni  
Live Health



Arvind  
Six Specs



Dhanaastree  
EAnalysis Partner



Spiler IT



Pranjali  
Vishwajeeth Technologies



Swapnil  
Eq



Mukund  
Aurus Inc



Akash  
Eq



Akshay Samal  
Enzigma



Hrishikesh  
DSS Software



Aishwarya  
Infosys



Vishakha  
Torqus systems



Ravi  
Aptify



Akshata  
Torqus systems



Sarika  
Vavni



Jithendra  
AGS



Kanak Sharma  
AGS



Yogesh  
AGS



Heera  
AGS



Srinivas  
Xalted



Shubam Sunil  
Fiserv



Aditi  
Tieto



Shantanu  
Game Cloud



Prachi  
Xecom



Phani  
Seneca Global



Kunal  
Emphasis



Shiva  
AGS



Abhishikta  
Symphony



Guru  
Yadi



*You may be next !!!*

# Our Students Are Working With:

**SQS**

**Yardi**

**Zensar**

**Persistent**

**@quick Heal**

**Cognizant**

**AGS**

**Xalted**

**Vritti**

**Persistent**

**BMC Software**

**Polaris**

**Definetics**

**AudiTime**

**Tech Mahindra**

**Synerzip**

**Prototech Solutions**

**Spiller IT Solutions**

**Symphony Teleca**

**Symantec**

**EMC<sup>2</sup>**

**Emerson**

**Augment IQ**

**BMC Software**

**Tavisca**

**Servient**

**HSBC**

**Torqus Systems**

**LiveHealth**

**IBM**

**Tieto**

**Fiserv**

**KPIT**

**Tudip**

**3DPLM**

**HSBC**

**Vavni**

**Seneca Global**

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**3i Infotech**

**GeoAmps**

**Infotech**

**Gurukul**

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