Welcome to ineuron.ai

Java Community Class

Description:

This Java Community session is intended to assist tech enthusiasts in learning the most popular programming language in the technology sector. This course covers the majority of Java Language features in great detail. These classes don't require any prerequisites.

Start Date:

Doubt Clear Time:

Course Time:

Features:

Course material

Course resources

On demand recorded videos

Practical exercises

Quizzes

Assignments

Course completion certificate

What we learn:

Variables and Operators

Conditional statements and Loops

Arrays

Class and Objects

Inheritance

Abstraction

Package and Interface

Exception Handling

Multithreading

Collection API

Lambda Expression

TreeSet

HashSet

LinkedHashSet

Collection Heirarchy

Requirements:

System with Internet Connection

Interest to learn

Dedication

Instructor:

Name:

Hyder Abbas

Description:

Corporate Software Development Trainer with a demonstrated track record of success in the IT and Ed-tech industries. I started my career as a software developer and have since taught Java, Python, Javascript to hundreds of IT enthusiasts, including corporate professionals, throughout the years.I have been developing software for over 6 years.

>Day - 1:

>>Basic Understanding of Computer

>>Basic feature of Java

>Day - 2:

>>Main method

>>Classes and Objects(Basics)

>>Statically typed vs Dynamically types PL

>>Variables and data types

>>Naming Convention

>Day - 3:

>>Operators in Java

>>Incrementation and Decrementation

>>Condtional statement

>Day - 4:

>>Loops intro

>>for - while - do while

>>Nested loops

>Day - 5:

>>Object creation

>>instance variable vs local variables

>>Methods

>Day - 6:

>>Why array?

>>What is an Array?

>>How to create an array

>>Buffer over run and ArrayIndexOutOfboundsException

>>Disadvantages of Array in Java

>Day - 7:

>>String Introduction

>>Types of string

>>Immutable string

>>Ways to compare and memory map String constant pool

>>Inbuilt methods in String class

>>Concatination

>>Mutable String

>>String Buffer vs String Builder

>>Inbuilt Methods

>Day - 8:

>>Need of Encapsulation

>>What is Encapsulation?

>>Private members

>>Shadowing problem and this keyword

>>Setters ,Getters

>>Constructor,

>>this()

>Day - 9:

>>Inheritance intro

>>extends keyword

>>Types of Inheritance

>>Types of methods Inherited, overidden, specialized

>>Abstract keyword and Abstraction

>>Abstract class and Abstract method

>>Final keyword in Java

>Day - 10:

>>What is interface

>>Need of Interface

>>Different use cases of Interface

>>Abstract vs interface

>>Functional Interface

>>What is Lambda Expression

>>Different ways to create Lambda Expression

>Day - 11:

>>What is an Exception?

>>try catch

>>Multiple catch block

>>Handling vs Ducking an Exception

>>Hierachy of an Exception class

>Day - 12:

>>Why Collection ?

>>ArrayList

>>LinkedList

>>PriorityQueue

>>ArrayDeque

>>TreeSet

>>HashSet

>>LinkedHashSet

>>Collection Hierarchy