



Java Programming with Data Structures 18 Aug - 30 Sep 2018

Duration: 14 Lectures | 03 hours per day

Fees: INR 10,000/-

Start Date: 18-08-2018 End Date: 30-09-2018

Training Mode: Classroom / WebEx Online

Taxes Applicable: GST @ 18% = INR 1800/-

Total Fees: INR 11,800/-

Bank Details

- Account Name: Devanshu Shukla,
- Account Number: 55142333064
- Bank Name: State Bank of India,
- Branch: Rama Market, Pitampura, IFS Code: SBIN0050403
- PayTM, Google Tez, PhonePe: 9654825370

Taxation Details

- GSTIN: 07EGLPS3074K1ZR
- Legal Name: DEVANSHU SHUKLA
- Trade Name: HACKVEDA

Takeaways

1.) Hackveda One2One account for each participant which includes:

- Pre-Requisite Installation Videos
- Lecture Videos
- Documented Resources
- International Publication Books
- Source Codes
- Online query support post workshop for 01 year

2.) Assessment test will be conducted and all participants scoring above 50% will get Certificates accredited from ANSI National Accreditation Board



Syllabus

Java Programming

- Course Introduction
- Introduction to Computer Programs
- Introducing the Java Technology
- Key Features of the Java Language
- Setting up the Java Development Environment
- Features of the Installed JDK
- Overview of Compiling and Running a Java Program
- Compiling and Running a Program
- Java Classes and Packages
- Creating a Java Class
- The Main Method
- Creating a Main Method
- Introducing Variables
- Overview of the String Variable
- Using String Variables
- Introducing the int and double Numeric Data Types
- Using Standard Mathematical Operators
- Using and Manipulating Numbers
- Working with Conditions
- Using if Statements
- Working with an Array of Items
- Using an Array
- Loops and Array Items
- Using a Loop to Process an Array
- Data Types
- Operators Part 1
- Operators Part 2
- Ternary Operator
- Conditional Statements
- Switch Case
- For Loop
- While Loop
- Do-While Loop
- Classes and Objects
- Methods In Java
- Method Overloading In Java
- Constructor In Java
- Constructor Overloading
- Introduction To Inheritance



- Types Of Inheritance
- Super Keyword
- Access Modifiers In Java
- Nested Class
- Overview of Exception Handling
- Exception Handling : Try-Catch , Nested Try ,Multi Catch
- Exception Handling : Finally
- Exception Handling : Throw Keyword
- Exception Handling : Throws Keyword
- Final Keyword
- Abstract Classes and Methods
- Bitwise Operators
- Working with Date and Time
- Java Date/Time API
- Formatting Dates
- LocalDate Class Part 1
- LocalDate Class Part-2
- Java LocalTime Class
- Java LocalDateTime Class
- Polymorphism
- Java Swings Part-1
- Java Swings Part-2
- Swings - Event Handling
- Using An Array
- Using Loop To Process An Array
- Two-Dimensional Array
- The JDBC API
- Creating And Running A Jar File
- Running a jar file using cmd
- String Builder Class
- Math.Random Method
- ArrayList Class
- Converting an array into arraylist
- Lambda Expression
- Using Casting / TypeCasting
- File Handling/ByteStream Part 1
- File Handling/Byte Stream Part2
- Character Stream
- Interface
- Using Interface
- Extending Interfaces
- Assertions In Java



- Creating Generic Class
- Java Enum
- Stream API Example
- Stream API and Fork Join Framework
- Stream Operations
- Stream Map
- Stream FlatMap
- Stream Sorting
- Java File Class
- Using the Stream API with NIO.2
- Method Reference
- Method Chaining