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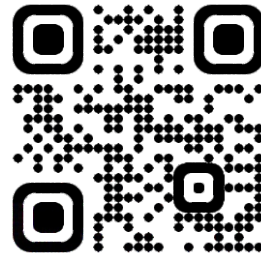
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& TRAINING

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SKY VISION COLLEGE
OF DIGITAL TECHNOLOGY AND MANAGEMENT



100%
PRACTICAL

Java Application Development

- Get trained from Sky Vision College certified Trainers having rich experience in Digital Technology & Management Programs.
- Experience state-of-the-art IT infrastructure at Sky Vision College campus Today!

8 Duration
Months

IIHT
www.iiht.com

Professional in Java Application Development

1. Operating System

- 1.1 Operating Systems Overview
- 1.2 Multi-Tasking
- 1.3 Threads
- 1.4 Process Management
- 1.5 Memory Management
- 1.6 File Management

2. Programming Fundamentals

- 2.1 Algorithm & Data structures
- 2.2 Selection and Control Structures
- 2.3 Arrays and Strings
- 2.4 Functions
- 2.5 Files Handling

3. Object Oriented concepts

- 3.1 Beginning with Object-Oriented concepts
- 3.2 Classes & Objects
- 3.3 Encapsulation and Abstraction
- 3.4 Inheritance and Polymorphism

4. Software Engineering

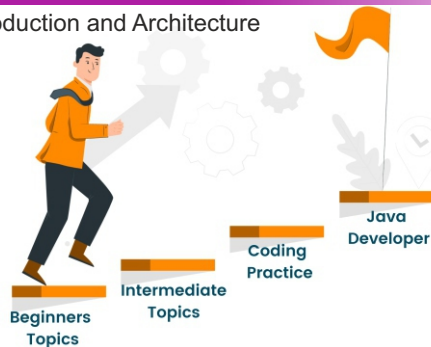
- 4.1 Software Requirements
- 4.2 Software Design
- 4.3 Software Construction
- 4.4 Software Configuration Management
- 4.5 Software Engineering Process
- 4.6 Software Quality

5. Testing Fundamentals

- 5.1 Test Scenario
- 5.2 Test Development Process
- 5.3 Test Case Development Process
- 5.4 System & System Integration Test Case Design
- 5.5 Test design techniques
- 5.6 Test case components
- 5.7 Test Case Review Process
- 5.8 Perform Test Case Review

6. EIM Fundamentals

- 6.1 Introduction and Architecture



- 7.1 Introduction to Java
- 7.2 Introduction to Java and SDE
- 7.3 Language Fundamentals and Operators
- 7.4 Statements
- 7.5 Access Specifiers Constructors and Methods
- 7.6 Objects as method Argument
- 7.7 Exercises on Access Specifiers Constructors & Methods
- 7.8 Exercises on Language Fundamentals & Operators
- 7.9 Inheritance
- 7.10 Abstract Classes
- 7.11 Interfaces
- 7.12 Object Casting
- 7.13 Wrapper Classes
- 7.14 Java Arrays
- 7.15 Exception Handling
- 7.16 Exercises on Statements
- 7.17 Strings String Buffer and its functions
- 7.18 Collections and Util package
- 7.19 Collections and Util package - Util
- 7.20 Collections and Util package - Scanner
- 7.21 Threads
- 7.22 I/O operations in JAVA
- 7.23 JDBC
- 7.24 Garbage Collection
- 7.25 Overview of Annotation



8. Industry Practices

- 7.1 Coding Standards
- 7.2 Refactoring
- 7.3 Best Practices in Java
- 7.4 PMD & CPD
- 7.5 Debugging

9. Junit

- 9.1 Unit Testing Fundamentals
- 9.2 Unit Testing - Junit Standalone
- 9.3 Unit Testing - Junit Server Side/Coverage

10. J2EE Architecture

- 10.1 J2EE Architecture - Web application & Fundamentals
- 10.2 J2EE Architecture
- 10.3 J2EE Architecture - Web servers

11. Servlets

- 11.1 Servlets - Introduction
- 11.2 Servlets - Context Config
- 11.3 Servlets - Chaining
- 11.4 Servlets - Session Management Software Engineer - Servlets
- 11.5 Servlets - Filtering
- 11.6 Servlets - Listeners

