

# Advance Your Career

Become Job ready  
in 3-5 months



## Core-java

### What is Core Java?

Core java is fundamental that will be used in any java technology.

### What They Do?

Core java is used to developing a standalone application or system software .that run on the system only

### Why Core Java

Scalable, Fast and performing language. A must know language for Software Developers.



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# Core Java – Career Track

## Introduction to Java Programming

- The Java Virtual Machine
- Variables and data types
- Conditional and looping constructs
- Arrays

## Object-oriented programming with Java classes and objects

- Fields and Methods
- Constructors
- Overloading methods
- Garbage collection
- Nested classes

## Inheritance

- Overriding methods
- Polymorphism
- Making methods and classes final
- Abstract classes and methods
- Interfaces
- Exception handling with try-throw-catch-final constructs
- The Exception class

## The Object Class

- Cloning objects
- The JDK LinkedList class
- Strings
- String conversions



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### Working with types-Wrapper classes

- Enumeration interface

### Packages

- Package access
- Documentation comments

### Applets

- Configuring applets
- Applet capabilities and restrictions

### Basic of AWT and Swing

- Layout Managers
- Event Handling
- The Action Listener interface
- Panels
- Classes for various controls, such as label, choice, list, Checkbox, etc
- Dialogs and frames
- Using menus
- Using the adapters classes
- Graphics



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<b>Threads</b>	<ul style="list-style-type: none"> <li>• What is a Java Thread?</li> <li>• The Java Thread Model</li> <li>• Multithreading in Java</li> <li>• Main Java Thread</li> <li>• How to Create a Java Thread?•</li> </ul>
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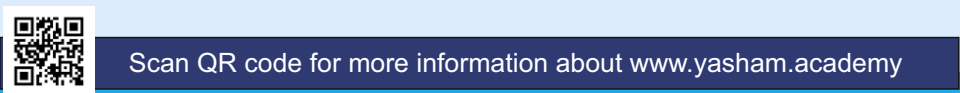
<b>The I/O package</b>	<ul style="list-style-type: none"> <li>• InputStream and OutputStream classes</li> <li>• Reader and Writer classes</li> </ul>
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<b>Basic concepts of Networking</b>	<ul style="list-style-type: none"> <li>• Working with URLs</li> <li>• Concepts of URLs</li> <li>• Sockets</li> </ul>
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<b>Database connectivity with JDBC</b>	<ul style="list-style-type: none"> <li>• Import JDBC Packages</li> <li>• Java Security</li> </ul>
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<b>Simple and complex project in Java</b>	<ul style="list-style-type: none"> <li>• Project involving application of above concepts</li> </ul>
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