Java

Land your dream job.

TRAINING BASKET
QUALIFY FOR TOMORROW

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Welcome

The Job Ready curriculum from Training Basket is a structured, self-paced online instruction that will give you complete knowledge of Java in just four months. As a Java learner, you'll master all the features & core concepts in Java. For example Oops concept, JDBC, Threading etc. Our Trainers are from the industry take you through from scratch to the advanced level and give exposure to industry-level projects from the ground up and provide you with a solid foundation in Java. You'll learn about various tools of Java. Your course will culminate in the study of Java which is the most widely used programming language.
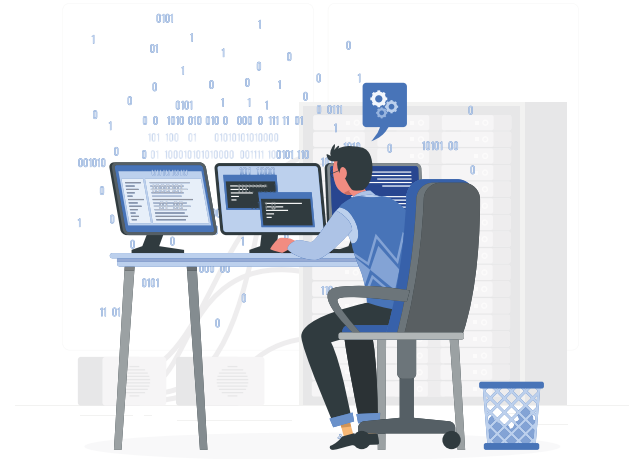
Statistics & Probability enables technical systems to perceive their environment, deal with what they perceive, solve problems and act to achieve a specific goal. This is a one-of-a-kind online learning environment.

Bootcamp-style program that prepares you for a high-paying career in tech

Each unit in the Training Basket curriculum teaches a core concept, skill, language component, or framework. You learn by viewing videos, and you may reinforce your skills by doing interactive programming quizzes and challenges. Mini-exercises will help you implement everything you've learned, and then you'll apply all you've learned in an individually graded, hard assignment with feedback. By completing all 4 projects in this training and passing the final exam, you will receive a Training Basket Certificate of Achievement and have the skills that will better prepare you for entry-level employment as a Java Developer.

Designed For Success

Online learning may be difficult, and we understand how difficult it can be to learn on your own. Thankfully, We've created AWARD-WINNING LMS to Learn through 24*7 interactive LMS with PPTs, Videos, Assignments, Case Studies & Quizzes along with a progress tracker with flexibility to match your needs your hectic way of life.

Key Benefits of this Job-ready Training

Study at your own pace

Live support and an online community

Study and career guidance

A professional and finished portfolio

Our Mission

Training Basket works to make education more inclusive and accessible so that individuals may accomplish their goals. We've taught over 50,000 individuals how to code and design since 2017, and our objective is to achieve long-term, systemic change in the IT industry. Competency-based learning is used in Training Basket training programs to reinforce what students have learned. We've reinvented the learning process and created a tried-and-true approach to help you get the skills and information you need to achieve your objectives. Stay on track with our points system, badges, and weekly activity journal, which has been scientifically proven to enhance motivation. You didn't merely view a video when you finished a course; you learned, practiced, and internalized an idea. Plus, at the end of each lesson, Training Basket walks you through an immersive project, so you'll have a portfolio of work ready to present as soon as you're through. Our Job-Ready programs are geared toward beginners

Training Basket's mission is to diversify the tech industry through online-learning

however, if you already have some experience but want to advance, Training Basket offers current and relevant skills to help you reach where you need to go. You'll additionally benefit from the Training Basket Slack, a thriving online community where you can ask questions and network with other students, regardless of your past experience level. You'll have weekly office hours, and Training Basket support professionals will be accessible for advice and encouragement.

We designed this program to be an accessible alternative to bootcamps

We concluded that in order to diversify the IT industry, we needed a curriculum that was fully beginner-friendly, didn't result in student debt and didn't demand any repayment. Many bootcamps cost huge amounts of money, or worse, force graduates to take a share of their salary when they obtain a job. At a fraction of the cost of bootcamps, Training Basket provides high-quality courses, comprehensive learning assistance, and professional expertise.

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Units & Overview

Unit-1 — Introduction to Java

Data Handling and Functions — **Unit-2**

Unit-3 — Object Oriented Programming in Java

Packages and Multi Threading — **Unit-4**

Unit-5 — Java Collections

XML — **Unit-6**

Unit-7 — JDBC

Unit-8 Servlets

Unit-9 JSP

Unit-10 Hibernate

Unit-11 Spring

Unit-12 Spring, Ajax and Design Patterns

Unit-13 SOA

Unit-14 Web Services and Project

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Introduction to Java

📅 Week 1

Learning Objectives: In this module, you will learn about Java architecture, advantages of Java, develop the code with various data types, conditions, and loops.

- Introduction to Java
- Class Files
- Data types, and Operations
- Loops – for
- Bytecode
- Compilation Process
- if conditions
- while and do while

Unit-2

Data Handling and Functions

📅 Week 1

Learning Objectives: In this module, you will learn how to code with arrays, functions, and strings.

- Arrays - Single Dimensional and Multidimensional arrays
- Function with Arguments
- The concept of Static Polymorphism
- StringBuffer Classes
- Functions
- Function Overloading
- String Handling - String

Object Oriented Programming in Java

📅 Week 2

Learning Objectives: In this module, you will learn object-oriented programming through Java using Classes, Objects and various Java concepts like Abstract, Final etc.

- OOPS in Java: Concept of Object Orientation
- Classes and Objects
- Inheritance
- Final
- Attributes, and Methods
- Methods and Constructors – Default Constructors and Constructors with Arguments
- Abstract
- Static

Unit-4

Packages and Multi Threading

📅 Week 3

Learning Objectives: In this module, you will learn about packages in Java and scope specifiers of Java. You will also learn exception handling and how multi-threading works in Java.

- Packages and Interfaces
- Exception Handling: Try, Catch, Finally, Throw and Throws
- Access Specifiers: Public, Private, Protected and Package
- Multi-Threading: Runnable Interface, Extending a Thread Class, Synchronization in Threads

Unit-5

Java Collections
📅 Week 4

Learning Objectives: In this module, you will learn how to write code with Wrapper Classes, Inner Classes, and Applet Programs. How to use io.lang and util packages of Java and the very important topic of Java which is Collections.

- Wrapper Classes and Inner Classes: Integer, Character, Boolean, Float etc
- Collections: ArrayList, Vector, HashSet, TreeSet, HashMap, HashTable
- Applet Programs: How to write UI programs with Applet, Java.lang, Java.io, Java.util

Unit-6

XML
📅 Week 5-6

Learning Objectives: In this module, you will learn how to write XML files and how to parse XML files using DOM and SAX in Java.

- Introduction to XML
- DOM Parser – Writing into an XML file and Parsing an XML file
- Writing XML files
- SAX Parser, XSL

Unit-7

JDBC
📅 Week 5-6

Learning Objectives: In this module, you will learn SQL, Architecture of JDBC, Different drivers of JDBC and to write code in JDBC to communicate with Database.

- Introduction to SQL: Connect, Insert, Update, Delete, Select
- Types of Drivers: Type 1/2/3/4 drivers
- Batch Processing Transaction
- Introduction to JDBC and Architecture of JDBC
- Insert/Update/Delete/Select Operations using JDBC
- Management: Commit and Rollback

Servlets

📅 Week 7-8

Learning Objectives: In this module, you will learn Web Technologies and developing applications using Servlet.

- Introduction to Web Technologies
- Request Dispatchers: Forward and Include
- Type of Servlets: Generic and Http Servlet
- 4 types of Session Tracking and Filters

Unit-9

JSP

📅 Week 7-8

Learning Objectives: In this module, you will learn how to develop code with JSP.

- Introduction to JSP
- tags (Scripts, declarative, expression)
- JSP Directives
- Architecture of JSP
- Implicit objects
- JSP and JDBC

Hibernate

Week 7-8

Learning Objectives: In this module, you will learn about hibernate framework and how to interact with the database using hibernate. You will also learn to perform various operations on database like Insert, Update, Delete and Select Operations.

- Introduction to Hibernate
- Database Operations: Insert/Update/Delete/Select
- Collections
- Caching in Hibernate
- Architecture of Hibernate
- Inheritance
- HQL and Restrictions

Spring

Week 7-8

Learning Objectives: In this module, you will learn Introduction to spring framework and writing code with spring framework components like Dependency Injection and Auto Wiring.

- Introduction to Spring Framework
- Display a Sample Message
- Bean Definition
- Bean Post Processors
- Architecture
- IoC Containers
- Bean Scopes
- Dependency Injection Auto-Wiring

Spring, Ajax and Design Patterns

📅 Week 7-8

Learning Objectives: In this module, you will learn advanced concepts of Spring Framework like AOP, Transaction Management Operations Commit and Rollback operations on a database. Interacting with a server using Ajax framework and Java EE design patterns.

- Aspect Oriented Programming (AOP)
- Transaction Management
- Intercepting filters
- Business Delegate
- Integrating Spring framework with Hibernate
- Ajax Framework and Design Patterns: DAO, DTO, MVC
- Front Controller

Unit-13

SOA

📅 Week 7-8

Learning Objectives: In this module, you will learn SOA and SOA Architecture. You will also learn how SOA is useful for organizations to perform the required task easily and how it can be implemented in web services.

- Introduction to SOA
- Business layer of SOA
- What is Contract
- Composition of Service
- SOA Architecture
- Advantages of SOA
- Address, and Binding in SOA
- Relation between SOA and Web Services

Web Services and Project

📅 Week 7–8

Learning Objectives: In this module, you will learn SOA and implementation of web services. We will also discuss how to develop a project using Spring and Hibernate. This is a banking project with web services.

- Introduction to Web Services
- WSDL and UDDI
- JAX-WS Implementation
- WSDL file
- SOAP, RESTfulWeb Service

Assessment

Our lecturers are working experts in the field of technology who give useful and constructive advice.

This Job-Ready curriculum incorporates project-based learning, which allows you to apply the skills you're learning by working on projects of increasing complexity. Each project you create will be evaluated separately using thorough grading criteria that is specific to that assignment. Aside from an overall grade of Exceeds, You will receive individualized written feedback on your project in the form of Expectations, Meets Expectations, or Needs Work. Don't panic if your project is labeled as Needs Work.

You'll have the chance to fix the problems and resubmit the project for further assessment. As you go through the course, you will show your developing skillset by completing quizzes and coding tasks, culminating in a Final Exam. The Final Exam is your opportunity to demonstrate what you've learned during this Training. You must correctly answer at least 70% of the questions on the Final Exam in order to succeed. If you don't meet that standard, you can study and repeat the exam the next day.

Statistics on a Career

You'll be ready to start your new job in the tech business after you have your Certificate! As an entry-level Java Developer, these are some of the options available to you.

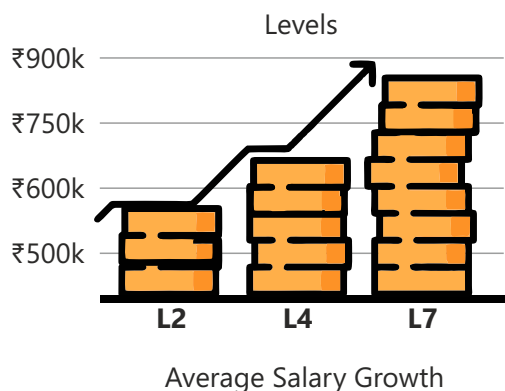## Day to Day Tasks as a Java Developer

- Design, implement and maintain java application phases.
- To take part in software and architectural development activities.
- Conduct software analysis, programming, testing and debugging.
- Identifying production and non-production application issues.

₹5,00,000

According to Glassdoor.com, the typical base income in INDIA

A typical entry-level Java Developer job pays ₹50,000 higher per year than the National Average Wage Index.

With new technologies being invented every day, the IT sector has been rising year after year and shows no signs of slowing down.

Levels

₹900k
₹750k
₹600k
₹500k

L2   L4   L7

Average Salary Growth

Testimonials

"

I have completed Java Course from Training Basket, and It was an excellent experience for me. The best advantage of Training Basket is that we can attend the online or offline batch at our convenience. Instructors focus on core concepts to get you up to date. Customer service is excellent and very responsive. I want to say it is worth it to join Training Basket.

- Priyanka

"

"

I must say the way Training Basket makes you a professional like no other training centers do. I recommend Training Basket to all my friends who all are looking for a bright future and earn something for the family after completing the course. Finally, I say, it is worth it.

-Rahul Kumar Jha

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"

I learned many things in Training Basket and probably felt like their teaching is different from any other institute. I have completed the Java course. The instructor and other faculty members are very experienced and cooperative. It was great learning for me, and I suggest this is the best place to learn and experience the reality of life.

- Waseem

"

Partnerships

We collaborate with a number of IT businesses to guarantee that our students receive the most up-to-date and relevant education possible.

Companies With Which We Collaborate

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