



UnCodemy

JAVA (Core & Advance) Program



Job Guarantee program

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Contact Us



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ABOUT US

Uncodemy is one among a couple of driving organizations / in Delhi, Noida, NCR, India that give undeniable preparation in Data Science, Machine learning, Python programming, Tableau, - Deep Learning, and Artificial Intelligence. We at the collegetarget producing quality experts who can withstand the developing contest and rising intricacies in the innovative world. We are growing and leading the company of Delhi, Noida, NCR, India.

THE UNCODEMY

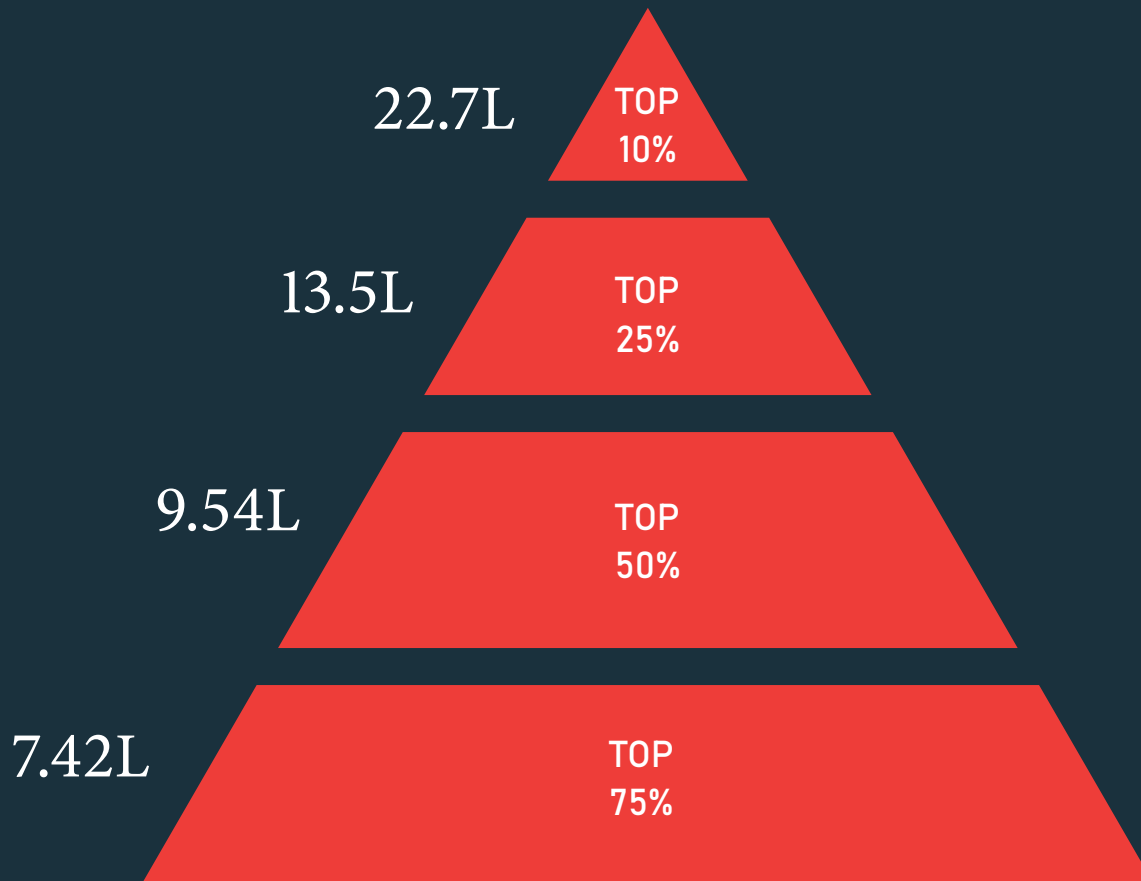
Is an Educational and Professional improvement Organization that has been established to propel the product and IT calling by advancing and perceiving demonstrable skill through training, counselling, gatherings and accreditation. Our Professional Dedicated Team guarantees to give you the best of specialization courses under disciplines like Data Science Machine Learning, Data Mining, Tableau, Text Mining, ReactJS, NodeJS, Angular, Python Programming, Deep Learning, and Java, network protection, programming testing, Cloud Technology, Digital advertising and a lot more with an emphasis on trustworthiness and on the web and Offline learning. We're attempting to transform our enthusiasm for IT Software Training Platform into a thriving position and occupation situated in the preparing stage without any hesitation at work.

Our aim is simple: We strive to create high-impact, hands-on experiences that prepare learners for meaningful and productive careers.

**Warm Regards,
Founder Uncodemy**

CAREERS IN JAVA CORE & ADVANCE

SALARY PACKAGE



The results of a Java Core & Advance job tracked that a database engineers to review so they can fix the defect. There are times when the position can seem monotonous, but the focus of your work will constantly change to different aspects of the program, alleviating some of the repetition. You also get an early look at the latest in technology and have a hand in making sure that a program is as defect free as possible. Finally, with Development being an area that will always grow, Development have one of the most secure jobs in the tech industry.

Why Should You Choose UnCodemy?



Top MNCs

UnCodemy partners with top-tier companies to ensure that its students receive instruction from industry experts with hands-on experience in the field of Java Core & Advance.



No. 1 Institute for the Java Core & Advance

UnCodemy in Noida stands out as the premier Java Core & Advance course provider, featuring industry-experienced mentors from major corporations. With a commitment to 100% placements, it offers live project experiences, flexible online & offline training modes, and accelerated certification options catering to working professionals.



About Courses

UnCodemy follows a structured approach and comprehensive curriculum. Here are some key reasons why learning Java Core & Advance from a training program can be beneficial:

1. Access to experienced instructors who can provide personalized guidance and support.
2. Exposure to industry-relevant tools and technologies.
3. Hands-on experience with real-world datasets and projects.
4. Networking opportunities with other students and professionals in the field.
5. A structured curriculum that covers the key concepts and skills needed to succeed in Java Core & Advance.
6. Access to job placement assistance and career counseling.

About Industry Expert Trainers



Uncodemy partners with seasoned industry professionals to provide students with first-hand knowledge and real-world applications in the realm of Java Core & Advance. These experienced instructors share their practical insights, equipping students not only with theoretical knowledge but also with the practical skills needed to succeed in the field.

About Certificate



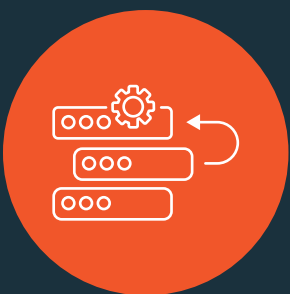
Uncodemy is recognized by top industry bodies such as ISO and NASSCOM and is also endorsed by Skill India, a government initiative aimed at boosting skills development in the country. The certifications provided by Uncodemy are highly valued by employers, as they signify that the candidate has completed a rigorous program and has the necessary skills and knowledge to excel in the field.

Doubt Session



Uncodemy facilitates doubt sessions where students can receive individualized attention and clarification on challenging concepts. These sessions are led by experienced instructors who provide comprehensive explanations and examples, ensuring that students leave the session with a thorough understanding of the material.

Grooming Session



Soft skills training to improve communication, networking, and leadership skills. Identifying and highlighting transferable skills that may not be obvious.



CV building

Helping students build a killer resume. Ensuring that the resume includes relevant keywords to help it stand out in applicant tracking systems. Overall, it's about helping students make their resume shine and stand out from the competition.



Interview session

The goal is to prepare students for the job interview process, giving them the chance to practice their communication and interpersonal skills, and helping them feel more confident and prepared for the real thing.



Mock interview

Uncodemy uses mock interviews in its IT training program as a tool to help students refine their interview skills and prepare for job interviews in the tech industry. The mock interviews are designed to replicate the pressure and format of a real interview, without the actual job at stake.

Key Features

 <p>Live industry-based projects</p>	 <p>100% placement assistance</p>	 <p>CV building</p>	 <p>Confidence Building</p>
 <p>Online & offline</p>	 <p>weekly & weekend classes</p>	 <p>Interview Session</p>	 <p>Mock Interview Session</p>
 <p>Course Completion certificate</p>	 <p>Recorded Class</p>	 <p>Group Discussion</p>	 <p>Communication Skills</p>
 <p>Interview Session</p>	 <p>6 Months internship</p>	 <p>Access to Class & Training Until Placement</p>	

Course Curriculum

INTRODUCTION TO JAVA

- Why Java was Developed
- Application Areas of Java
- History of Java
- Platform Independency in Java
- USP of Java: Java Features
- Sun-Oracle Deal
- Different Java Platforms
- Difference between JDK,JRE,JVM
- Java Versions
- JVM Architecture
- Installing Java on Windows
- Understanding Path Variable: Why Set Path
- Installing Eclipse
- Installing Netbeans

CREATING FIRST JAVA PROGRAM

- Understanding Text Editors to Write Programs
- How to compile java file
- Byte Code and class file
- How to run class file

JAVA LANGUAGE FUNDAMENTALS

- Identifiers
- Keywords
- Variables

- Literals
- Data Types
- Operators
- Comments
- Looping Statements
- Condition Statements
- Type Casting

OOP IMPLEMENTATION

- Why OOP
- OOP Concepts with Real life examples
- Class& it's Syntax
- Object& it's Syntax
- Reference Variable
- Constructors
- Instance(Non-Static) & Static Variables
- Instance(Non-Static) & Static Methods
- this Keyword and it's usages
- Object & Static Initializers (Anonymous Blocks)
- inheritance & its Syntax
- Types of Inheritance
- Object Class as Root of Java Class Hierarchy
- Variable Hiding
- Method Hiding
- Method Overriding
- Method Overloading

Course Curriculum

- Super keyword and its usages
- Final keyword and its usages
- Constructor Chaining
- Upcasting and Downcasting
- Static & Dynamic Binding
- Runtime Polymorphism
- Abstract Keyword (Abstract classes and methods)
- Understanding Interfaces
- Implementation of Encapsulation
- Association with Implementation

PACKAGES

- Understanding Packages
- Setting Classpath
- Reading Input from Keyboard
- Access Modifiers
- With in Package & Outside Package Implements

NESTED TYPES

- Static Nested Class
- Non-static Nested Class
- Local Class
- Anonymous Class
- Nested Interface

ARRAYS

- General Definition of Array Advantages from Array

- Arrays in Java
- 1-d Arrays
- 2-d Arrays
- Jagged Arrays
- Array of reference type
- Operations on Arrays
- User Define Array & Object Type

COMMAND LINE ARGUMENTS AND WRAPPER CLASSES

- Wrapper Classes
- Parsing of Numeric Strings
- String representation of Primitives

EXCEPTION HANDLING

- Types of Runtime Errors
- Understanding Exceptions
- Exception Class Hierarchy
- Try & Catch Blocks
- Patterns of Catch Block
- Nested Try statements
- Throw, throws and finally
- Creating Custom Exceptions
- Checked & Unchecked Exceptions
- Assertion

WORKING WITH STRINGS

- What is String
- String Class

Course Curriculum

- Creating String Object
- Operations on String
- String Buffer Class and it's Methods
- Difference between String and String Buffer class
- StringBuilder Class and it's Methods
- Difference between StringBuffer and StringBuilder

SWING

- Introduction to AWT
- Introduction to Swing Components
- Look And Feel of Swing Components
- MVC Architecture of Swing Components
- Working with Image
- Advance Swing Components
- JOptionPane, JTree, JTable, JTabbedPane
- JFileChooser, JcolorChooser
- Menu Components
- JMenu
- JMenuItem
- JMenuBar

MULTITHREADED PROGRAMMING

- Multitasking: Why Concurrent Execution
- Multiprocessing v/s Multithreading
- Main Thread (Default Java Thread)
- Creating Child Threads and understanding context switching

- Thread States
- Thread Group
- Thread Synchronisation: Methods and Blocks
- Inter-Thread communication
- Daemon Threads
- Deadlock

I/O STREAMS

- What is I/O
- Why Need Streams
- Byte Streams and Character Streams
- Read/Write operations with file
- Scanner Class
- Object Serialization & Deserialization
- Transient keyword
- File Class and it's Methods

SOCKET PROGRAMMING

- Understanding Fundamentals of a Network
- Socket and ServerSocket Classes
- InetAddress Class
- DatagramSocket and DatagramPacket
- Classes URL, URLConnection, HttpURL Connection Classes

REFLECTION

- Understanding the Need Of Reflection

Course Curriculum

- Getting information about class's modifiers, fields, methods, constructors and superclasses Finding out constant and method declaration belong to an interface
- Creating an instance of the class whose name is not known until runtime
- Getting and setting values of an object's field if field name is unknown until runtime
- Invoking Private Methods
- Invoking a method on an object if the method is unknown until runtime

EXTENDED & UTILITY CONCEPTS

- Generics
- Lambda Expression
- Annotations
- Object Cloning
- Vargs
- Static-import
- Enum
- Static, Default and Private Methods of Interface
- Var Type
- Java Modules
- Stream API

COLLECTIONS FRAMEWORK

- What is Collection?
- What is Framework?
- Collections Framework
- Core Interfaces
- Collection, List, Queue, Deque
- Set, NavigableSet, SortedSet Map, NavigableMap, SortedMap
- Core Classes
- ArrayList, LinkedList, Priority Queue, ArrayDeque
- HashSet, LinkedHashSet, TreeSet,
- HashMap, IdentityHashMap, WeakHashMap, LinkedHashMap, Tree Map
- Accessing a Collection via an Iterator
- Accessing List via ListIterator
- Accessing a Collection via for each loop
- Working with User Defined Objects
- The Comparator and Comparable Interfaces
- The Legacy classes and Interfaces.
- Enumeration, Vector, Stack
- Hashtable, Properties

DATE & TIME API

- java.util.Date
- java.util.Calendar
- java.sql.Date

Course Curriculum

SYSTEM PROPERTIES & INTERNATIONALISATION (I18N)

- Understanding Locale
- Resource Bundle
- Usage of properties file
- Fetching text from Resource Bundle
- Displaying the text in HINDI

INTRODUCTION TO SQL (PROJECT BASED)

DATABASE PROGRAMMING USING JDBC

- Need Of JDBC
- JDBC Drivers
- Statement, PreparedStatement, CallableStatement
- Scrollable and Updatable ResultSet
- Batch Updates
- Transaction
- Metadata
- Connection Database
- Oracle
- My SQL

JAVA EE(JAVA PLATFORM ENTERPRISE EDITION)

- Understanding the Concept of Java EE: JEE Specification
- Java EE Architecture
- Single Tier
- Two Tier
- Three Tier

- N-Tier
- Java EE Components\
- Web Components
- Distributed(Business) Components
- Java EE Containers & Servers
- Web Container & Web Server (Apache Tomcat)
- EJB Container & Application Server (Weblogic, Glassfish, Websphere)
- Java EE Services
- JNDI Service
- Java Transaction Service
- JAAS
- JMS

JAVA SERVLET

- Introduction to web programming
- Role of Servlet in web programming
- Servlet Lifecycle
- Servlet with Annotations
- @WebServlet
- @WebInitParam
- @WebListener
- @WebFilter
- @MultipartConfig
- Request Dispatching
- Parameters & Attributes their differences
- ServletConfig and ServletContext
- File Uploading and Downloading

Course Curriculum

Session Tracking & State Management

- Cookie
- Url Rewriting
- Hidden Form Field
- Session Object
- Events & Listeners
- Dependency Injection
- Refreshing Servlet
- Filters

JAVA SERVER PAGES (JSP) & JSTL

- JSP Architecture
- JSP Elements
- JSP Objects
- Understanding JavaBeans
- Custom Tags
- Using tags of JSTL
- Expression Language

PROJECT CLASSES

- Back End Coding
- DATABASE DESIGNING
- Connecting forms to database
- Writing Business Logic
- Project Hosting
- DESIGN PATTERN
- Why Design Patterns...?
- Front Controller
- Composite View
- Factory Pattern

- Singleton Pattern
- DAO Pattern

JAVA MAIL API

- Email System and Protocols
- Sending & Receiving Mails
- Handling Attachments

INTRODUCTION TO DISTRIBUTED PROGRAMMING

- RMI
- Web Services

INTRODUCTION TO RESTFUL SERVICES

- @PathParam
- @Path
- @FormParam
- @QueryParam
- @DefaultValue

OVERVIEW OF JPA FRAMEWORK

SPRING

- What is Spring?
- Spring modules
- Understanding dependency Injection
- Applying aspect-oriented programming

MAVEN DEPLOYMENT

- Maven Configuration
- Converting Maven to Eclipse
- Various Maven Command

BASIC BEAN WIRING

Course Curriculum

- Containing your Bean
- Creating bean
- Injecting into bean properties

Auto wiring

Controlling bean creation

- Aspect Oriented Programming

INTRODUCTION TO HIBERNATE

- Hibernate Architecture
- Hibernate configuration
- Hibernate's Support for Other Technologies
- Installing Hibernate
- A "Hello world" stand alone application

CREATING PERSISTING CLASSES

- Mapping a basic Java Class
- Mapping a Class with Binary Data
- Mapping a Serializable Class

Mapping a class with Data/calendar attributes

- Mapping a Read-only class
- Mapping a class using Versioning /Timestamps

MAPPING INHERITANCE WITH JAVA CLASSES

- Table-Per-class Hierarchy Mapping
- Table-Per-subclass Hierarchy Mapping
- Table-Per-concrete-subclass Hierarchy Mapping
- Persistence interfaces

WORKING WITH COLLECTIONS

- Associations
- Lazy initialization
- Mapping Maps/Sorted Maps
- Mapping Sets/Sorted Sets
- Mapping lists
- Mapping Arrays
- Mapping a Bidirectional Association

HIBERNATE CACHING

- How caching improves performance
- First level cache
- Second level cache

SPRING BOOT

- Introduction To Spring Boot
- Spring Boot Annotation
- Spring Boot & JDBCTemplate
- Spring Boot & JPA Hibernate
- Spring Boot Rest API
- Spring Boot MVC
- Spring Boot Security



CERTIFICATE OF TRAINING

(ISO 9001 : 2015 Certified)

PROUDLY PRESENTED TO

Devanshi Pande

You have successfully completed your
Four Months Training on Data Analytics with specialisation in Python.

28TH JULY 2023

DATE



Pradip Mehta

MR. PRADIP MEHTA

Founder

Certified By :



NASSCOM
Certified Member



Our Alumnus & Companies



Our Industry Expert Trainers



Ms. Sonal Rana

Full Stack Development | Core & Advance Java | Spring MVC |
Angular | Reactjs | MySQL

“Professional Java trainer has extensive knowledge of Java programming combined with good presentation and teaching abilities. Has master’s degree in computer application, strong understanding of Java Development, and over 8+ years of experience. Skills Set: Java 8, J2EE, Spring Boot, Hibernate, JUnit, Maven Microservices, Reactjs, and Angular.



Mr. Rajesh Kumar Mandal

Full Stack Development | Express.js | React.js | Node.js
| JavaScript | Python | Django | Flask

“Mr. Rajesh, an experienced MERN Full Stack Developer, is proficient in building end-to-end applications using MongoDB, Express.js, React.js, and Node.js. With a strong foundation in Frontend and Backend, and comprehensive understanding of Python programming, and hands-on experience in developing scalable applications. He holds a master’s degree in computer science and possesses over 10+ years of expertise. Skills Set: MongoDB, Express.js, React.js, Node.js, Python, JavaScript (ES6+), RESTful APIs, Git.



Mr. Bambam Kumar Yadav

Full Stack Developer(HTML, CSS, JS, MongoDB, Express.js,
React, Node.js) | Software Developer | Digital Marketing |

“Meet a versatile individual who seamlessly navigates the domain of technology and marketing. Armed with three years of hands-on experience, this adept professional is a maestro in full-stack development and a savvy navigator in the world of digital marketing. Having dived into the depths of 30+ projects, their expertise spans the entire spectrum, from crafting robust code to adapt impactful marketing strategies.

Congratulations

Placement



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wipro



RAJENDRA YADAV

HCLTech



ABHISHEK KUMAR

mamaearth



ABHILASHA RATHI

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Deloitte



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MeeTri



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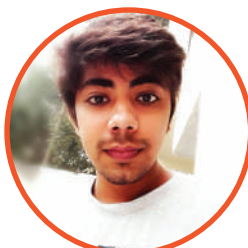
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KPMG



SHURTI

ppInventiv



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**one
card**

Congratulations To our selected students

SUCCESS STORIES



BABITA

Company
Adobe

Uncodemy is the perfect place to start your data science career, as they provide regular live classes with doubt resolution. Moreover, they also allow students to book additional mentor - ship to sessions with industry experts to understand challenging topics better and gain industry insights. Uncodemy as highly as possible and suggest all the aspirants join Uncodemy with hesitation.



RITESH SINGH

Company : Bloohash

After spending 2 years in Non-IT job, decided to switch to IT job. Uncodemy is one of the leading brand in this section.

I have complete here Soft - ware testing training course. They have very good trainers and HR team Who helps you to find the right job. The training content is very excellent and very useful to get your dream IT job. special thanks to Shivendra Sir, Ug sir, Anam Ma'am and HR department team for proper guidance and help throughout this journey. Now I'm working in the leading IT company with good package, all thanks to Uncodemy team.

ADITYA SINGH

Company : Deloitte



Uncodemy is a good place to start up if you are looking for a career transition or build a career in Data analytics. Moreover, guest lectures by Upendra sir are very insightful. Very efficient manage to reach out for any help during train - ing. The best thing is, they also offer support in looking for jobs post training. Thank You..

NEELAM

Company : wipro



I've always wanted to create complete web applications on my own. | went for an Uncodemy Python Full Stack Course. | am 50 grateful to Uncodemy now because | can fulfil my dream. Their staff and training are 50 fruitful, They will walk you through the process of building your first full - stack Python web application. If you Want to be a good program developer, hurry up and go for the Uncodemy Python.

Full Stack Course.



UnCodemy

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