

[2019]



Full Stack Java Developer Implementation Plan



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The following implementation plan will provide a schedule of activities to be accomplished in a particular time frame. You are able to view this Implementation plan, because you have joined "[Free Full Stack Developer Training](#)".

This implementation plan assumes that you have Free access to all the courses. If not, you can get them by watching "[Free Full Stack Developer Training](#)"

The end goal of this implementation plan is to make you comfortable cracking interviews in top MNC's with better salary or you will be more productive in your current office. This implementation plan will also help you find freelancing projects and earn additional income.

If you are experienced professional, you may be tempted to jump to advanced courses. Please try not to do that. The courses are aligned with each other and it's crucial to go through them as recommended. Trust me! It will make a difference.

This document will be updated based on the technological trends in the industry and based on the new courses introduced in the platform. You can get the updated document from the same place where you have downloaded this.

Throughout the process, if you have any questions or need any advice, you can reach us at contact@karpado.com. Either me or my team will help you with any queries. We will support you for 2 months, so try to finish all the courses by then.

But, do not forget that, our intent is not to 'baby sit' you. Our goal is to make you self-reliant. By the end of the day, it is you, who have put efforts as suggested to get desired results (We cannot attend the interview on your behalf).

We are happy to help you with any technical queries. But, too much of help can do more harm, than good. So, in an event you face any challenges, try to resolve the issue on your own. If you are truly struck, we are always there to unblock you.

With You Success!

Quick Notes

Concept Prioritization

Text highlighted in bold red – Represent a concept that is crucial to learn

Text highlighted in bold orange – Represents a concept that you need to know

Text highlighted in plain black – Represents a concept that is good to learn

All the other concepts are covered in the training videos!

Module

The entire implementation plan is divided in to multiple modules. Each module will correspond to one course. Each module is aimed to train you in each subject and prepare your for interview and job. If you finish all the modules from start to finish, you will see results!

Motive

The motive is simple, is to help you succeed. But we do have bills to pay. Family to take care of. We cannot keep this free, if you don't support us. Just to let you know, similar quality training does not even exist. Even if it does, it will cost you a minimum of 800\$.

You can support us by inviting people to join, just like you! You can share this link over whatsapp, FB, etc. [“Free Full Stack Developer Training”](#).

Moreover, my mission is to make education free of cost for poor.

Links

We are not associated with any company/organization whose links we share in this document.

Visit those links just for the purpose of checking the interview questions. Don't get lost in their website or give your personal details. We already have enough relevant things lined up, no need to refer any other websites/books.

Training Module 1: Mastering Java!

Course Link	Java Programming Masterclass!
Goal	Mastering Java Programming
Action	Watch the complete course on Java Programming: Java Programming Masterclass!
Test your skills	<p>1) Write a program with one static method and one non static method. Both the methods will take an array of integers, and return the average. Write another class that calls these two methods and print the result.</p> <p>2) Given a string str representing a string, the task is to convert the given string into an integer.</p> <p>Ex: Input: str = "1234" Output: 1234 Solution : https://stackoverflow.com/questions/21437788/how-to-use-recursion-for-converting-string-to-int</p> <p>3) Write a program that takes two integers. Find out the number within that range that has the highest number of divisors. Write the same program using multithreading and save time.</p> <p>Solution : http://math.hws.edu/javanotes/c12/ex2-ans.html</p> <p>4) Write a method that prints 'n' number of Fibonacci series with 1 second gap, where 'n' is the method argument. Use a thread pool and run multiple threads simultaneously on that method.</p>
Important Concepts discussed in the course	Arrays, Type casting , PATH variable, Compiler, Interpreter, JIT , JVM , Control Statements , Operator precedence , Relational operators , Arithmetic operators, Statements and Blocks, Classes , Objects , Methods , Constructors , Heap memory , Stack Memory , This Keyword, Static , Recursion , String , Nested Classes, Overloading, Access restrictions , JVM Architecture, Inheritance ,

	Super, Dynamic binding , Type casting , Final keyword , Abstract , Enum , GC, Exception handling , Finally block , Throws , Exception types , Buffered Reader , Serialization , Hierarchy, Streams, Char streams, All Multithreading concepts , Anonymous classes , Synchronization , Volatile and Happens before relation , ITC , Wrapper classes , Generics , Type Parameters, All collection concepts , Algorithms, Lambda Expressions , Method References , Functional Interface, Stream API Concepts , All Multithreading Concepts , Using external libraries , Regular expressions, etc.
Questions and Tasks!	Try to solve problems and questions asked in these links. Note: Don't forget to follow the 'quick notes' mentioned in the first page! https://www.javatpoint.com/core-java-quiz https://www.guru99.com/java-interview-questions-answers.html https://www.softwaretestinghelp.com/core-java-interview-questions/

Training Module 2: Mastering J2EE!

Course Link	J2EE with Network Programming, Servlet and JSP!
Goal	Mastering J2EE with Network Programming, Servlet and JSP!
Action	Watch the complete course on J2EE: J2EE with Network Programming, Servlet and JSP!
Test your skills	<ol style="list-style-type: none"> 1) Send an Image over TCP/IP Socket connection. Solution : https://www.pegaxchange.com/2017/12/07/simple-tcp-ip-server-client-java/ 2) Write a simple servlet program, that takes 'URL String' as input and fetches it's IP address. Also apply filters and display request and response objects. Ex: 'www.google.com' -> 74.125.224.72 3) Write a JSP app to support a file upload. Tip : Take suggestion from google.

Important Concepts discussed in the course	Network elements, Protocol, Client/Server architecture , OSI Model, Socket programming, Network elements, Protocol, Client/Server architecture , OSI Model, Socket programming, Servlet concepts , Lifecycle , Filters , cookies, sessions , JSP Concepts , Element, Directives, Action Elements , Custom Tags , JSTL , JSP EL , JSTL, Formatting, Custom tags , etc.
Questions and Tasks!	Try to solve problems and questions asked in these links. Note: Don't forget to follow the 'quick notes' mentioned in the first page! https://www.sanfoundry.com/advanced-java-questions-answers-jsp/ http://www.allindiaexams.in/engineering/cse/jsp-mcq-quiz-jsp-online-test https://www.javatpoint.com/servlet-quiz http://www.bullraider.com/quiz/servlet-and-jsp-quiz

Training Module 3: Mastering RDBMS, SQL, PostgreSQL and PGAdmin!

Course Link	Mastering RDBMS, SQL, PostgreSQL and PGAdmin
Goal	Mastering RDBMS, SQL, PostgreSQL and PGAdmin
Action	Watch the complete course: Mastering RDBMS, SQL, PostgreSQL and PGAdmin
Test your skills	<ol style="list-style-type: none"> 1) Create an application and store the data in the database using JDBC. 2) Create a stored procedure that will return a Student record for a given age. 3) Try to create an end to end application from scratch that performs CRUD operations.
Important Concepts discussed in	JDBC , Connection parameters, Database, RDBMS , Terminologies , Components of RDBMS, CRUD Operations, Constraints , Relations , Fetching strategies , SQL Joins , Result sets , Sub queries, conditional expressions, Roles , Views , Transactions ,

the course	Stored Procedures , Triggers, Schema & Database objects, DDL , DML , TCL, PostgreSQL Administration , Database design , MVC architecture , creating an end to end applications , etc.
Questions and Tasks!	Try to solve problems and questions asked in these links. Note: Don't forget to follow the 'quick notes' mentioned in the first page! https://www.tutorialandexample.com/postgresql-interview-questions/ http://www.mypostgresqlquiz.com/ https://career.guru99.com/sql-quiz/

Training Module 4: Project Management with Ant and Maven!

Course Link	Project Management with Ant and Maven!
Goal	Mastering Project Management with Ant and Maven!
Action	Watch the complete course: Project Management with Ant and Maven!
Test your skills	<ol style="list-style-type: none"> 1) Play with few random ANT tasks 2) Create three projects in eclipse A, B, C. Write an application where A transitively uses C library by adding B's dependency. 3) Explore and understand the default POM tags and plugins. 4) Try to create a maven plugin, that does a particular task.
Important Concepts discussed in the course	Tasks , Types, Build automation , custom tasks, Repositories , POM , Dependencies , Version management , Maven Lifecycles, Phases, Goals and Plugins , Profiles , Reports , etc.
Questions and Tasks!	Try to solve problems and questions asked in these links. Note: Don't forget to follow the 'quick notes' mentioned in the first page! https://www.onlineinterviewquestions.com/apache-ant-interview-questions/ https://www.tutorialspoint.com/ant/ant_online_quiz.htm

	https://career.guru99.com/top-20-maven-interview-questions/ https://www.javatpoint.com/maven-interview-questions
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Training Module 5: Hibernate ORM Framework Masterclass!

Course Link	Hibernate ORM Framework Masterclass
Goal	Hibernate ORM Framework Masterclass
Action	Watch the complete course on Hibernate ORM Framework Masterclass
Test your skills	<ol style="list-style-type: none"> 1) Explore and experiment with generator classes. 2) Think about a scenario where there is a need for bi-directional mapping and implement it. 3) Implement EH Cache mechanism from scratch. Experiment with concurrency strategies. 4)
Important Concepts discussed in the course	Hibernate ORM concepts , Generator classes, CRUD operations with Hibernate, Hibernate sessions , Relations , Cascading, Fetching strategies , Collection Mapping, Inheritance, EH Cache , Concurrency strategies , HQL , HCQL , Transactions , Versioning , Connection pooling , dealing with bulk data, Reverse engineering , Entity manager, JPA etc.
Questions and Tasks!	<p>Try to solve problems and questions asked in these links.</p> <p>Note: Don't forget to follow the 'quick notes' mentioned in the first page!</p> <p>https://career.guru99.com/hibernate-interview-questions/</p> <p>https://mindmajix.com/hibernate-interview-questions</p> <p>https://www.javatpoint.com/hibernate-quiz</p> <p>https://career.guru99.com/hibernate-quiz/</p> <p>https://www.concretepage.com/quiz/hibernate-quiz/hibernate-quiz-2</p>

Training Module 6: Mastering Spring Core Framework!

Course Link	Spring Core Framework Course
Goal	Spring Core Framework Course
Action	Watch the complete course on Spring Core Framework Course
Test your skills	<ol style="list-style-type: none"> 1) Write a program from scratch that demonstrates dependency injection and IOC mechanism without using spring. 2) Write a program that demonstrates Factory Pattern without using Spring. 3) Write a program on a “paper” that explains singleton design pattern. 4) Think about a use case where you need to use a custom property editor and then write an app demonstrating the same. 5) Modify your previous example and introduce AspectJ for logging.
Important Concepts discussed in the course	Dependency Injection, IOC, Bean Factory, Java config, CI, MI, Bean lifecycle, wiring, Aware Interfaces, Singleton Beans , Eager vs Lazy loading, Prototype Beans, Autowiring, SI Autowiring , Circular dependency, Property Editors, Profiles , Custom editors, Registrar, Factory Beans, AOP, AspectJ, AOP Terminologies, AOP Concepts , Pointcut expression language, Observer design pattern, Events in spring , etc.
Questions and Tasks!	<p>Try to solve problems and questions asked in these links.</p> <p>Note: Don't forget to follow the 'quick notes' mentioned in the first page!</p> <p>https://www.javatpoint.com/spring-quiz</p> <p>https://www.concretepage.com/quiz/spring-quiz/spring-quiz-1</p> <p>https://www.concretepage.com/quiz/spring-quiz/spring-quiz-2</p> <p>https://www.concretepage.com/quiz/spring-quiz/spring-quiz-3</p>

Training Module 1: Spring Boot and Spring MVC with Real World Project!!

Course Link	Spring Boot and Spring MVC with Real World Project!!
Goal	Mastering Spring Boot and Spring MVC with Real World Project!!
Action	Watch the complete course on Spring Boot and Spring MVC with Real World Project!!
Test your skills	-
Important Concepts discussed in the course	-
Questions and Tasks!	Try to solve problems and questions asked in these links. Note: Don't forget to follow the 'quick notes' mentioned in the first page! -

More content will be updated soon!

If you think this training has helped you, please consider donation. You can send to my paypal account Karthikeya.tata@gmail.com . Just to let you know, similar quality training does not exist, even if it does, it will easy cost no less than 800\$.

To get the ebooks on “[Incredibly simple job strategies that will multiply your income](#)” and “[Freelancing treasure that you are didn't know!](#)” you must have completed all the courses above with at least 75% viewership.

If you think you did, you can get the ebooks by sending us an email to contact@karpado.com