

Diploma in Advance Software Programming (DASP)

Oracle Java 8 Programmer

- ❖ Creating high-performing multi-threaded applications
- ❖ Creating Java technology applications that leverage the object oriented features of the Java language, such as encapsulation, inheritance, and polymorphism
- ❖ Implementing input/output (I/O) functionality to read from and write to data and text files and understand advanced I/O streams
- ❖ Executing a Java technology application from the command line
- ❖ Manipulating files, directories and file systems using the JDK NIO.2 specification
- ❖ Creating applications that use the Java Collections framework
- ❖ Performing multiple operations on database tables, including creating, reading, updating and deleting using both JDBC and JPA technology
- ❖ Searching and filter collections using Lambda Expressions
- ❖ Implementing error-handling techniques using exception handling
- ❖ Using Lambda Expression concurrency features
- ❖ About Streams in Java 8.

Oracle Database 12c : SQL Fundamentals

- ❖ Identify the major structural components of the Oracle Database 12c
- ❖ Manage objects with data dictionary views
- ❖ Manage schema objects
- ❖ Retrieve row and column data from tables
- ❖ Run data manipulation statements (DML) in Oracle Database 12c
- ❖ Use scalar and correlated sub-queries
- ❖ Utilize views to display data
- ❖ Write SELECT statements that include queries
- ❖ Write multiple-column sub-queries
- ❖ Control database access to specific objects
- ❖ Create reports of aggregated data
- ❖ Create reports of sorted and restricted data
- ❖ Create tables to store data
- ❖ Display data from multiple tables using the ANSI SQL 99 JOIN syntax
- ❖ Employ SQL functions to retrieve customized data

MEAN STACK DEVELOPER

Node JS

- ❖ Introduction to Node JS
- ❖ Setup environment for node
- ❖ Node js Modules
 - Functions
 - Buffer
 - Module
 - Module type
 - Core modules
 - Local Module
 - Module.Exports
- ❖ Node Package manager
 - What is NPM
 - Installing Packages Locally
 - Adding dependency in package. json
 - Installing packages globally
 - Updating packages
- ❖ Creating Web Server
 - Creating web server
 - Handling http requests
 - Sending requests
- ❖ File System
 - Fs.readFile
 - Writing a File
 - Writing a file asynchronously
 - Opening a file
 - Deleting a file
 - Other IO Operations
- ❖ Debugging Node JS Application
- ❖ Events
 - EventEmitter class
 - Returning event emitter
 - Inhering events
- ❖ Express.JS
- ❖ Serving Static Resources

Mongo Db

- ❖ Introduction to MongoDB
- ❖ Installation
- ❖ Environment setup and CRUD operation introduction
- ❖ Insertion
- ❖ updation
- ❖ Deletion
- ❖ Schema Design
- ❖ Serving Static Resources

Angular JS

- ❖ Introduction to AngularJS MVC Architecture
- ❖ Conceptual Overview
- ❖ Setting up the Environment
- ❖ First Application
- ❖ Understanding Attributes
- ❖ Expression and Data binding
- ❖ Working with Directives
- ❖ Filters
- ❖ Forms
- ❖ Modules
- ❖ Routing
- ❖ Controllers
- ❖ Services

Creating real time projects with present scenario