

KITS_College_JAVA_FSD_2024



Day 1:

- 09:00 AM - 11:00 AM: Introduction to Java
- 11:00 AM - 01:00 PM: Lab Session - Basic Programming in Java
- 02:00 PM - 04:00 PM: Java Data Types and Variables
- 04:00 PM - 06:00 PM: Lab Session - Exercises on Data Types and Variables

Day 2:

- 09:00 AM - 11:00 AM: Java Operators
- 11:00 AM - 01:00 PM: Lab Session - Exercises on Operators
- 02:00 PM - 04:00 PM: Control Flow Statements
- 04:00 PM - 06:00 PM: Lab Session - Exercises on Control Flow Statements

Day 3:

- 09:00 AM - 11:00 AM: Arrays in Java
- 11:00 AM - 01:00 PM: Lab Session - Exercises on Arrays
- 02:00 PM - 04:00 PM: Introduction to OOP Concepts
- 04:00 PM - 06:00 PM: Lab Session - Basic OOP Exercises

Day 4:

- 09:00 AM - 11:00 AM: Classes in Java
- 11:00 AM - 01:00 PM: Lab Session - Exercises on Classes
- 02:00 PM - 04:00 PM: Java Objects
- 04:00 PM - 06:00 PM: Lab Session - Exercises on Objects

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Day 5:

- 09:00 AM - 11:00 AM: Interfaces in Java
- 11:00 AM - 01:00 PM: Lab Session - Exercises on Interfaces
- 02:00 PM - 04:00 PM: Inheritance in Java
- 04:00 PM - 06:00 PM: Lab Session - Exercises on Inheritance

Day 6:

- 09:00 AM - 11:00 AM: Exception Handling in Java
- 11:00 AM - 01:00 PM: Lab Session - Exercises on Exception Handling
- 02:00 PM - 04:00 PM: Multithreading in Java
- 04:00 PM - 06:00 PM: Lab Session - Exercises on Multithreading

Day 7:

- 09:00 AM - 11:00 AM: Introduction to Full stack development HTML5, CSS3
- 11:00 AM - 01:00 PM: Lab Session - Build single page web application using HTML5, CSS3
- 02:00 PM - 04:00 PM: Bootstrap4, Javascript, jQuery
- 04:00 PM - 06:00 PM: Lab Session - Exploring Full Stack Development using Angular/React(Intro)

Day 8:

- 09:00 AM - 11:00 AM: Angular components and data binding
- 11:00 AM - 01:00 PM: Lab Session - Hands-on with Angular components and data binding
- 02:00 PM - 04:00 PM: Services and Dependency Injection
- 04:00 PM - 06:00 PM: Lab Session - Hands-on with Back-End Technologies

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Day 9:

- 09:00 AM - 11:00 AM: Understanding Databases
- 11:00 AM - 01:00 PM: Lab Session - Working with Databases
- 02:00 PM - 04:00 PM: Introduction to SQL and NoSQL
- 04:00 PM - 06:00 PM: Lab Session - SQL and NoSQL Practice

Day 10:

- 09:00 AM - 11:00 AM: Integration of Front-End and Back-End Technologies
- 11:00 AM - 01:00 PM: Lab Session - Hands-on Integration Practice
- 02:00 PM - 04:00 PM: Deploying Full Stack Applications
- 04:00 PM - 06:00 PM: Lab Session - Deployment Practice

Day 11:

- 09:00 AM - 11:00 AM: Performance Optimization in Full Stack Development
- 11:00 AM - 01:00 PM: Lab Session - Optimizing Sample Applications
- 02:00 PM - 04:00 PM: Security in Full Stack Development
- 04:00 PM - 06:00 PM: Q&A and Wrap-up Session