FULL STACK JAVA DEVELOPER - JAVA + JSP + RESTFUL WS + SPRING

- ## GETTING STARTED

  - INTRODUCTION
  - COURSE OVERVIEW
  - SETUP
  - OUR FIRST JAVA PROGRAM
  - VARIABLE AND DATATYPES
  - PRIMITIVE DATA TYPES
  - BIGDECIMAL CLASS
  - STRING BASICS
  - TYPE CASTING
  - EXERCISE - SOLVE AN EQUATION

- ## DECISION MAKING UNDER JAVA

  - OPERATORS
  - ARITHMETIC OPERATORS
  - MAKING DECISION WITH OPERATORS
  - TERNARY OPEARTOR
  - ASSIGNMENT OPERATORS
  - MAKING DECISION WITH IF ELSE
  - EXERCISE

- ## FLOW CONTROL

  - SWITCH CASE
  - FOR LOOP
  - WHILE LOOP
  - DO-WHILE LOOP
  - LOOPS REVISITED

- BREAK AND CONTINUE
- NESTED LOOPS
- EXERCISE

METHODS

- METHODS
- METHODS PARAMETERS AND RETURN TYPE
- METHOD OVERLOADING
- EXERCISE

OOPS CONCEPTS

- CLASSES-INTRODUCTION
- CLASSES - GETTERS AND SETTERS
- CLASSES - ADDING FUNCTIONALITY INTO CLASS
- CONSTUCTORS
- DEFAULT CONSTRUCTORS
- INHERITANCE
- TYPES OF INHERITANCE
- COMPOSITION
- ADDING FUNCTIONALITY
- ENCAPSULATION
- POLYMORPHISM
- EXERCISE

MORE CORE CONCEPTS

- INTERFACES
- ABSTRACT CLASS
- INNER CLASSES
- TYPES OF NESTED CLASS
- LOCAL INNER CLASS
- ANONYMOUS OBJECT
- ANONYMOUS INNER CLASS
- STATIC ELEMENTS
- STATIC INNER CLASS
- FINAL KEYWORD

- PACKAGES
- SCOPE
- ACCESS MODIFIER
- EXCEPTION HANDLING
- EXCEPTION HANDLING, MULTIPLE CATCH BLOCKS
- FINALLY BLOCK
- USER DEFINED EXCEPTION
- CHECKED ADN UNCHECKED EXCEPTIONS
- ENUM
- STRINGS
- STRING FORMATING
- EXCERSICE

ARRAY

- ARRAY OVERVIEW
- FOREACH LOOP
- METHODS - CALL BY VALUE AND REFERENCE
- ISSUES WITH ARRAY
- EXERCISE

ADVANCE CONCEPTS

- COLLECTIONS FRAMEWORK
- ARRAY LIST
- AUTOBOXING AND UNBOXING
- GENERICS
- TYPE PARAMETERS
- SETS
- MAPS
- TREEMAPS
- LAMBDA EXPRESSION
- PREDICATES

- ## FILE HANDLING UNDER JAVA
    - DATA STREAMS
    - WRITING ONTO FILES
    - READING FILES WITH BUFFEREDREADER
    - FILE DELETION
    - SERIALIZATION OF OBJESTS

- ## GIT : GIT BASICS
    - GIT OVERVIEW
    - SETTING UP GIT
    - CLONE AND IMPORT GIT PROJECT INTO ECLIPSE
    - CLONE GIT PROJECT DIRECTLY FROM ECLIPSE

- ## JSP AND SERVLETS
    - INTRODUCTION
    - JSP ELEMENTS
    - INCLUDE FILE(S) IN JSP PAGE
    - IMPORT CLASS INTO JSP PAGE
    - FORWARD AND REDIRECT UNDER JSP
    - MVC OVERVIEW
    - FORMS
    - BEANS AND ITS SCOPES
    - SESSION MANAGEMENT
    - JSTL CORE TAGS
    - JSTL FUNCTIONS
    - BUILDING CUSTOM TAGS
    - INTEGRATE WEB TEMPLATE
    - SERVLETS INITIALIZATION
    - INTERACTING WITH DATABASE
    - LISTING DATA ON WEBPAGE
    - ADD RECORD(S) INTO DATABASE
    - UPDATE RECORD(S) INTO DATABASE
    - DELETE RECORD(S) INTO DATABASE
    - ADDING JSTL SUPPORT
    - IMAGE/FILE UPLOAD

- ## HIBERNATE

  - HIBERNATE INTRODUCTION
  - HIBERNATE FRAMEWORK
  - HIBERNATE QUERY LANGUAGE BASICS
  - JSP AND SERVLETS: INTEGRATION OF HIBERNATE
  - JSP AND SERVLETS : BUILDING THE APPLICATION
  - CAPSTONE PROJECT -2

- ## SPRING MVC INTRODUCTION