

ADVANCED JAVA / FULL STACK JAVA



**MISSION TO TRAIN
THE STUDENT WELL
ESTABLISHED SOCIETY
WITH A POOL OF
HUMAN TALENTS TO**

**FULLFILL THE REQUIREMENTS
COMPANY/NATION WITH SYSTEMATICS
APPROACH!**



ABOUT

ADVANCED JAVA/ FULL STACK JAVA AGASTYAS SOLUTIONS

AGASTYAS SOLUTIONS is provides a well-known professional's **ADVANCED JAVA/ FULL STACK JAVA** training.

ADVANCED JAVA/ FULL STACK JAVA Course offered at AGASTYAS SOLUTIONS are devised with best practices recommended by Google and other leading search engines. Our strategies are developed with many years of experience. We are passionate about **ADVANCED JAVA/ FULL STACK JAVA** and that's why our strategies **WORK!** We are sure our sound knowledge and effective **ADVANCED JAVA/ FULL STACK JAVA** principles will turn you into an **ADVANCED JAVA/ FULL STACK JAVA** Professional.



OUR MOTO!

TO TRAIN AND MAKE
EVERYSTUDENT AN
OUTSTANDING ADVANCED
JAVA/ FULL STACK JAVA
PROFESSIONALS.





OUR STUDENTS WORKS AT



AGASTYA SOLUTIONS

A journey to excellence



ADVANCED AND EXPERT ADVANCED JAVA

- ❖ SUPPORT & GUIDANCE FOR GOOGLE & OTHER INDUSTRY CERTIFICATIONS.
- ❖ CASE STUDIES & REAL TIME PROJECTS/
TRAINING

DURATIONS

45 - 75 Hours..⌚



INTRODUCTION TO ADVANCED JAVA



- + JAVA EDITIONS AND OVERVIEW
- + NEED TO ADVANCED JAVA
- + WEBSITE AND WEBPAGE
- + WEB TERMINOLOGIES
- + WEB APPLICATION ARCHITECTURE
- + PREREQUISITE OF CORE JAVA



HTML

- + INTRODUCTION TO HTML
- + TAGS AND ATTRIBUTES
- + ADDING IMAGE
- + HYPERLINK
- + TABLE
- + FORM
- + LIST
- + SCROLLING TEXT AND IMAGE



✚ PLAYING AUDIO AND VIDEO

✚ TOOLTIP, DATALIST



CSS

✚ INTRODUCTION TO CSS

✚ ADVANTAGES AND DISADVANTAGES OF CSS

✚ CREATING TEMPLATE USING CSS

TYPES OF CSS

- INLINE CSS
- INTERNAL CSS
- EXTERNAL CSS



DIFFERENT TYPES OF SELECTOR

- ELEMENT SELECTOR
- CLASS SELECTOR
- ID SELECTOR



JAVASCRIPT

✚ INTRODUCTION TO JAVASCRIPT

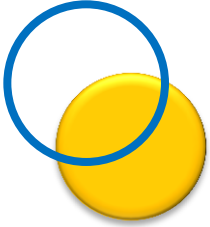


+ ADVANTAGES OF JAVASCRIPT



TYPES OF JAVASCRIPT

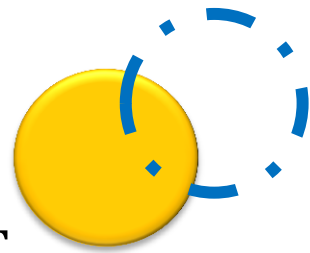
- INTERNAL JAVASCRIPT
- EXTERNAL JAVASCRIPT



+ WORKING USER DEFINED AND BUILT-IN FUNCTION

+ READING HTML ELEMENT IN JAVASCRIPT

+ FORM VALIDATION

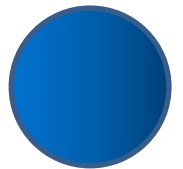


SERVLET CHAINING

- FORWARD MODEL
- INCLUDE MODEL



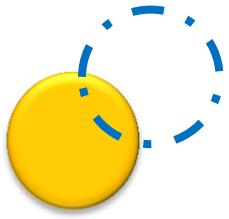
+ CROSS CONTEXT AND CROSS SERVER COMMUNICATION



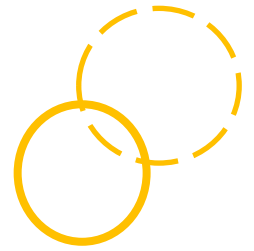
SESSION TRACKING MECHANISMS

- URL-REWRITING
- HIDDEN FORM FIELDS





- COOKIES
- HTTP SESSION

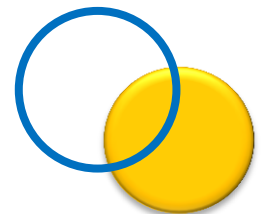
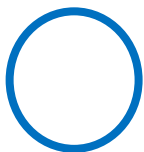


- + FILTERS
- + LISTENERS
- + ANNOTATION



SQL

- + INTRODUCTION TO SQL
- + SQL SUBLANGUGES (DDL, DML, DRL, TCL AND DCL)
- + CONSTRAINTS
- + JOIN AND SUB QUERY
- + INDEXES, VIEWS, SEQUENCES AND SYNONYMS
- + CURSORS
- + STORED PROCEDUREURES AND FUNCTIONS
- + TRIGGERS



JDBC



- ✚ INTRODUCTION TO JDBC
- ✚ TYPES OF DRIVERS
- ✚ STEPS REQUIRED TO DEVELOP AND EXECUTE JDBC APPLICATION



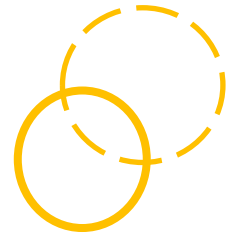
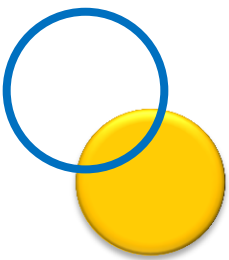
JDBC STATEMENT OBJECT

- STATEMENT
- PREPAREDSTATEMENT
- CALLABLESTATEMENT



RESULT SET

- READ ONLY RESULTSET
- UPDATABLE RESULTSET
- FORWARD ONLY RESULTSET
- SCROLLABLE RESULTSET



- ✚ DATABASE METADATA AND RESULTSET METADATA
- ✚ BATCH UPDATION
- ✚ TRANSACTION MANAGEMENT

- ✚ ADDING AND RETRIEVING BLOB AND CLOB
OBJETS



SERVLET

- ✚ INTRODUCTION TO SERVLET
- ✚ DIFFERENT WAYS TO DEVELOP SERVLET
PROGRAM
- ✚ DEVELOP AND ACCESS FIRST SERVLET
APPLICATION IN TOMCAT WEB SERVER
- ✚ SERVLET LIFE CYCLE
- ✚ READING HTML FORM DATA IN
SERVLET
- ✚ FILE UPLOADING AND FILE
DOWNLOADING
- ✚ SERVLETCONFIG AND SERVLETCONTEXT



JSP



- ✚ INTRODUCTION TO JSP
- ✚ ADVANTAGE OF JSP OVER SERVLET



✚ JSP LIFE CYCLE

✚ JSP IMPLICIT OBJECTS AND EXPLICIT OBJECTS



JSP DIRECTIVES

- PAGE
- INCLUDE
- TAGLIB



JSP SCRIPTING ELEMENTS

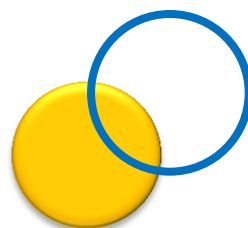
- SCRIPTLETS
- DECLARATION
- EXPRESSION



✚ JSP CHAINING

✚ JAVA BEAN AND JSP
COMMUNICATION

✚ DEVELOP JAVA CODE LESS JSP USING ACTION
TAG, EL, JSTL AND CUSTOM TAG



WEB APPLICATION SECURITY

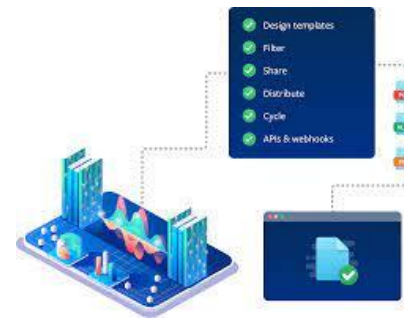
- + CROSS SITE SCRIPTING
- + SECURITY MISCONFIGURATION
- + SQL INJECTION
- + SALT HASHING

REPORT GENERATION

- + PDF FILE
- + EXCEL FILE
- + CSV FILE

MVC

- + INTRODUCTION TO MVC
- + DIFFERENT TYPES OF LOGIC IN JAVA BASED WEB APPLICATION
- + ADVANTAGES AND DISADVANTAGES OF MVC ARCHITECTURE
- + MVC PATTERN LAYER; MODEL, VIEW AND CONTROLLER



Model-view-controller

- ✚ CREATE LOGIN AND REGISTRATION MODULE
IN MVC

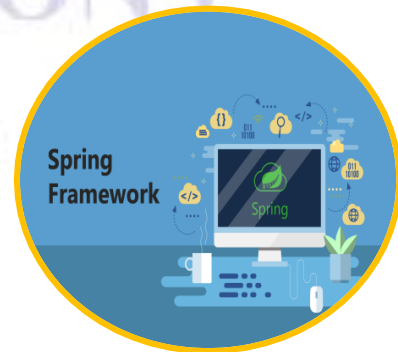
BASICS OF SPRING

- ✚ INTRODUCTION TO SPRING
- ✚ SPRING MODULES
- ✚ INVERSION OF CONTROL
- ✚ DEPENDENCY INJECTION
- ✚ DEVELOP AND EXECUTE SPRING APPLICATION
IN ECLIPSE IDE



BASICS OF HIBERNATE

- ✚ INTRODUCTION TO HIBERNATE
- ✚ UNDERSTANDING FIRST
HIBERNATE APPLICATION
- ✚ DEVELOP AND EXECUTE HIBERNATE
APPLICATION IN ECLIPSE IDE




BASICS OF WEB SERVICE

 INTRODUCTION TO WEB SERVICE

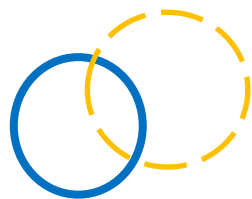


TYPES OF WEB SERVICE

- SOAP WEB SERVICE
 - RESTFUL WEB SERVICE
-  DEVELOP AND EXECUTE SOAP AND RESTFUL WEB SERVICE BASED APPLICATION

PROJECT

**GETTING A HIGH PAYING JOB OR
SETTING UP YOUR BUSINESS**



**BEST WISHES FOR YOUR GREAT
ENDEAVORS & FUTURE!**

THANK YOU!

AGASTYA SOLUTIONS

