Java Programming Basics

Why Java for Selenium

Installing Java

Installing Eclipse

First Eclipse Project

First Java program

Concept of class file

Datatypes in Java

String class and functions Practical Examples on Strings handling Conditional Statements

If…else…

Switchcase

Practical Examples with conditions Loops

While Loop For Loop Practical Examples with loops

Arrays Single Dimensional Arrays Two Dimensional arrays Practical usage of arrays in Selenium Operators

What are Functions?

Function Input Parameters

Function Return Types

Object Oriented Programming Local Variables ⎫ Global Variables ⎫ Static and Non-Static Variables ⎫ Static and Non-Static Functions Creating Objects in Java ⎫ Meaning of static ⎫ Why is main method static? ⎫ Object and Object References ⎫ Call by reference and Value ⎫ Overloading and Overriding Functions ⎫ Access Modifiers – Public/Private/Default/Protected ⎫ Constructors ⎫ Interface ⎫ Usage of Objects in Selenium ⎫ Inheritance ⎫ Usage of Inheritance in Selenium ⎫ Creating Packages ⎫ Accessing Classes across Packages Exception Handling Exception handing with try catch block ⎫ Importance of exception handling ⎫ Exception and Error ⎫ Throwable Class ⎫ Final and Finally ⎫ Throw and Throws ⎫ Different Types of Exceptions ⎫ Need of exception handling in Selenium framework