**Selenium Java**

# Day 1:

1. CORE JAVA.
2. Manual testing
3. Automation testing Selenium
4. Frameworks- real time scenario
5. Project - Domain
6. API

Core Java:

1. Intro - JAVA
2. 2.OOPs Concepts
3. 3.Inheritance
4. 4.Polymorphism
5. 5.Abstraction
6. 6.Class , Object, Method
7. 7.Encapsulation
8. 8.DataTypes
9. 9.Variables
10. 10.Control Statement
11. 11.Looping
12. 12.String
13. 13.Array & Collections
14. 14.Constructor
15. 15.Access Specifier
16. 16.Access Modifier
17. 17.Exception Handling

1, CORE JAVA:

C , C++ :

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1, Platform dependent

2, Run Single application at a time

JAVA:

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Platform Independent

Run multiple application at a time

Simple programming languages

Run as platform Independent and OOPS based one - Object oriented

Easy to run and debug

JAVA main features:

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1. Open sources
2. Platform Independent
3. Multi threading
4. portable
5. more secure

JDK:

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JAVA DEVELOPMENT KIT

Whenever we want to run or develop a program in java JDK is essential

JDK - JRE+JVM

JRE:

JAVA RUNTIME ENVIRONMENT

It contains predefined files and libraries.

JVM:

Java Virtual machine .

It is used for memory allocation , object creation

Tools:

Eclipse

IntellJ

Visual studio -

Java Configuration setup:

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1, JDK download

Install JDK

verify JDK

Download eclipse

Pascal notation : Naming standards /Inttcap notation

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Each word of first letter should be capital

e.g Welcome

FacebookTechnolgyLimited

followed in : Projectname,class

Camel Notation:

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First word of first letter small remaing each word of firstletter should capital.

e.g facebookTechnologyLimited

Follwed in: objectname,method name,varaible name

# Day 2:

Object oriented Programming structure

1,It is method of implementation in which program is organized.

2,As collection of object, class and methods

Object ---- Run time memory allocation

method --- Set of actions to be performed

class -- collection of object and method

Polymorphism

Abstraction

Inheritance

Encapsulation

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Object Creation:

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ClassName objectName = new ClassName();

Method call:

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objectName.methodName();

Import package :

import packageName.className;

import packageName.\*;

Private - class level access

public - global level access