04-FEB-2020

Step 5: Download WebDriver 3.141.59 jars

(Url: www.selenium.dev)

Extract " selenium-java- 3.141.59 " folder

Open " selenium-java-3.141.59 " folder

move 2 external jar files into "libs" folder

Step 6: Configure WebDriver jar files to Java Project in Eclipse

Navigation:

Select " Java Project " in Eclipse

right click on mouse

" Build Path "

select " configure Build Path "

select " Libraries "

click on " Add External jars "

browse WD jar files

select All the jar files and click on "Open"

click on " Apply and close "

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Workspace

Java Project

Package ----- (Test Suite)

Class ---- (Collection of Classes)

Method

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Java Concepts -1

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Java project structure in Eclipse

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Workspace

---> Project (s)

----> Package (s)

-----> class (s)

------> method (s) and variables

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Package:

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- Is a namespace that organize set of classes

- Package name should be in lower case

Ex: org.madhukarQAIT, sample.tests,com.livetech

Navigation : (To create package)

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Select " src " folder under Java project in Eclipse

right click on mouse

"New"

select " package "

click on "Finish"

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Class :

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Where it is actual written place for java program to specify behaviour of class

class name should be in 'Camel case'

Ex: DemoTest , GmailLogin, StudentDetails

Navigation: (To create Class with main method only)

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Select package under Java Project

right click on mouse

"New"

select "Class"

enter class name

set tick ON " public static void main " checkbox

click on " Finish "

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Class with main method template

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Syntax:

package packagename;

public class ClassName

{

public static void main (String [] args) {

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}

}

Note:

Which ever statements we write in Main method/block those are executed first in a class

Note:

Here packagename and ClassName are user defined names

Note:

To increase font size : control + shift + [+]

To decrease font size : control + shift - [-]

(or)

Windows --> Preference --> General --> Basic --> ColorFont

Note:

Method names and variable names should start with lowercase and followed with uppercase

Ex: myValue , myString

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Identifiers :

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It is a name of the variable/method/class

Identifier can start with alphabet/$/-

Ex: GmailLogin

$gmailLogin

-gmailLogin2

Note:

Identifier can't start with digit and should not contain space

Identifiers are case sensitive

Ex: myName and myname both are different variables

Ex:

int 4myVal = 200; // invalid variable declaration

int myVal4 = 300; // valid variable declaration

Comments in Java

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As per programming standards we should provide proper comments in the program for better understandability

For single line ----> prefixed with "//" ( Ctrl + /)

To uncomment single line ----> ctrl + /

To comment block of statements:

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/\* ----------------

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----------------- \*/

or Ctrl + Shift + /

To uncomment block of statements: Ctrl + Shift + \

To bring the entire code/script in proper format - Ctrl + Shift + F

To import the packages for java.util or selenium.org - Ctrl + Shift + O

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Output Functions in Java

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To display message in 'console' we can use following functions

i. System.out.print();

It will display user message in console

Syntax:

System.out.print (user message);

Ex:

System.out.print ("It is a sample program");

System.out.print (250);

O/P : It is a sample program250

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Note:

System.out.print() will print user messages in same line at Console

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ii. System.out.println(user msg);

Ex:

System.out.println ("It is a sample program");

System.out.println (250);

O/P : It is a sample program

250

Note:

Shortcut : syso + Ctrl + Space bar + Enter

Ex :

Create class in Eclipse with main method username, to display username, target, and no of days to get a job

System.out.println("Shahab");

System.out.println("Hyderabad");

System.out.println("30 days");

============================================================== END OF CLASS====================================================================================