PRACTICAL NO 01

AIM : Install Selenium Server (Selenium RC) and demonstrate its usage by executing a script in Java or PHP to automate browser actions.

Solution:

Create a web page

GCD.html

<html>

<head>

<script type="text/javascript">

function gcd()

{

var x,y;

x=parseInt(document.myform.n1.value);

y=parseInt(document.myform.n2.value);

while(x!=y) {

if(x>y)

x=x-y;

else

y=y-x;

}

}

document.myform.result.value=x;

}

</script>

</head>

<body>
<center>

Rhucha   ----- >>>>> STQA

<h1> Program to calculate GCD of two numbers </h1>

<hr color=red>

<form name=myform>

Enter Number 1: <input type="text" name="n1" value="">

 Enter Number 2: <input

type="text" name="n2" value="">

 <input type="button" name="btn" value="Get GCD"

onClick="gcd()">

 GCD: <input type="text" name="result" value="">

</form>

</center>

</body>

</html>

1) Open Eclipse IDE, create a Java Project.
2) Create a package : SpecificPage
3) Create a class : LoginPage
4) Build Path : Configure Build path
a. Add Selenium-java-client-driver-1.0.2.jar
b. Add Selenium-server-standalone-3.5.0.jar

GCD.java

package DemoJS;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.firefox.FirefoxDriver;

import org.openqa.selenium.firefox.FirefoxOptions;

import org.openqa.selenium.firefox.FirefoxProfile;
public class GCD {
public static void main(String[] args) {

System.setProperty("webdriver.gecko.driver","C:\\Users\\admin\\eclipse
workspace\\geckodriver.exe");

FirefoxDriver driver=new FirefoxDriver();

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driver.get("C:\\Users\\admin\\eclipse-workspace\\GCD.html");

driver.manage().window().maximize();

driver.findElement(By.name("n1")).sendKeys("50");

driver.findElement(By.name("n2")).sendKeys("5");

driver.findElement(By.name("btn")).click();

String result = driver.findElement(By.name("result")).getAttribute("name=value");

System.out.println("GCD="+result);

}

}
```

Output: