

Practical-3

Step 1. Download mozilla firefox 38.0.5

Step 2 : download geckodriver win64 version.

Search these jar files in Local disk folder

- 1 . Selenium-java-client-driver-1.0.1.jar
2. Selenium-server-standalone-3.13.0.jar

Step 4: Type html code in notepad and save it as Gcd.html

Step 5: download netbean 8.1 , Create project >> JAVA >> java application>> Seleniumgcd>> Type the java code , in libraries add above two jar files>>Give proper path of geckodriver in the code >>And run the code.

HTML Code:

```
<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>

<h1 align="center">program to calculate gcd of 2 nos</h1>

<hr color="red">

<center>

enter two numbers:

<form name="myform">

number 1:<input type="text" name="n1" value=""><br><br>

number 2:<input type="text" name="n2" value=""><br><br>

<input type="button" name="btn" value="GET GCD" onclick="gcd()"><br><br>

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

</form>

</body>

</html>

```

JAVA Code:

```

package seleniumgcd;

import org.openqa.selenium.By;
import org.openqa.selenium.Platform;
import org.openqa.selenium.WebDriver;

```

```

import org.openqa.selenium.firefox.FirefoxDriver;
import org.openqa.selenium.remote.DesiredCapabilities;

public class Seleniumgcd {

    public static void main(String[] args) {

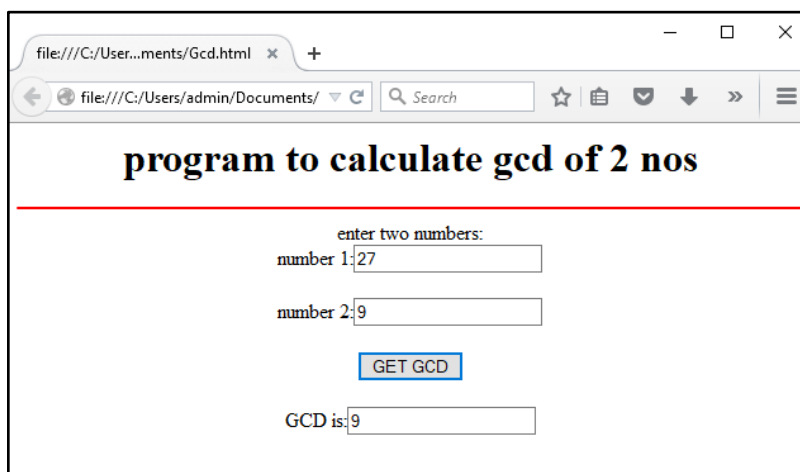
        System.setProperty("webdriver.gecko.driver", "D:\\selenium\\geckodriver.exe");
        DesiredCapabilities capabilities=new DesiredCapabilities();
        capabilities = DesiredCapabilities.firefox();
        capabilities.setBrowserName("firefox");
        capabilities.setVersion("38.0.5");
        capabilities.setPlatform(Platform.WINDOWS);
        capabilities.setCapability("marionette", false);

        WebDriver driver=new FirefoxDriver (capabilities);
        driver.get("C:\\Users\\admin\\Documents\\Gcd.html");
        driver.manage().window().maximize();
        driver.findElement(By.name("n1")).sendKeys("14");
        driver.findElement(By.name("n2")).sendKeys("28");
        driver.findElement(By.name("btn")).click();
        String result=driver.findElement(By.name("result")).getAttribute("value");
        System.out.println("GCD is"+result);
    }

}

```

Output:



The screenshot shows a web browser window with the address bar displaying 'file:///C:/Users/admin/Documents/Gcd.html'. The page title is 'program to calculate gcd of 2 nos'. Below the title, there is a form with the following elements:

- A label 'enter two numbers:' followed by two input fields.
- The first input field is labeled 'number 1:' and contains the value '27'.
- The second input field is labeled 'number 2:' and contains the value '9'.
- A button labeled 'GET GCD' is positioned below the input fields.
- Below the button, there is a label 'GCD is:' followed by an input field containing the value '9'.