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.

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HTML Code:

```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>

        <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>
```

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JAVA Code:

```
package seleniumgcd;

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

```java
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);
    }

}
```
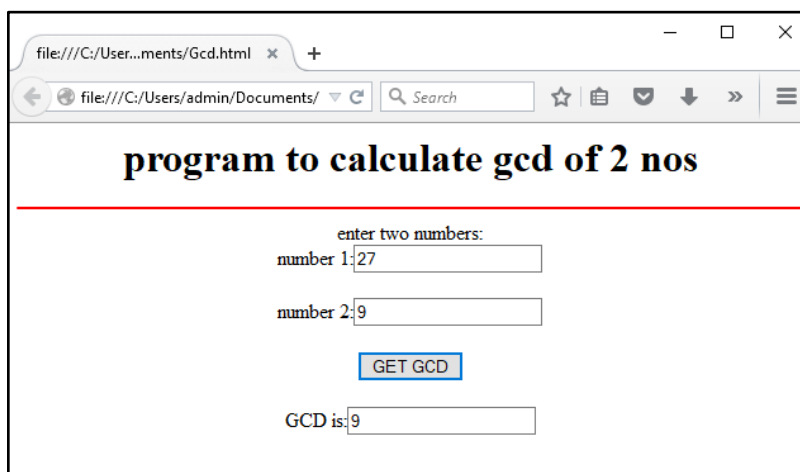
Output: