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## MET Institute of Computer Science



M.C.A Semester – III

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Module:	3
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**Q. 1) Implement Locator (cssselector) demonstration on login page of <https://opensource-demo.orangehrmlive.com/> Selenium webdriver.**

**Source code:**

```
package DemoPrograms;
```

```
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
```

```
public class CssSelectorDemo {
```

```
    public static void main(String[] args) throws Exception
    {
```

```
        System.setProperty("webdriver.chrome.driver", "D:\\Selenium\\chromedriver.exe");
```

```
        WebDriver wd = new ChromeDriver();
        wd.get("https://opensource-demo.orangehrmlive.com/web/index.php/auth/login");
        wd.manage().window().maximize();
        Thread.sleep(4000);
```

```
        wd.findElement(By.cssSelector("input[name=username]")).sendKeys("Admin");
        Thread.sleep(1000);
```

```
        wd.findElement(By.cssSelector("input[name=password]")).sendKeys("admin123");
        Thread.sleep(1000);
```

```
        wd.findElement(By.cssSelector("button.oxd-button.oxd-button--medium.oxd-button--main.orangehrm-login-button")).click();
        Thread.sleep(3000);
        wd.quit();
```



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Output:

OrangeHRM

opensource-demo.orangehrmlive.com/web/index.php/auth/login

Chrome is being controlled by automated test software.

**orangeHRM**  
OPEN SOURCE HR MANAGEMENT

**Login**

Username : Admin  
Password : admin123

Username  
Admin

Password  
.....

Login

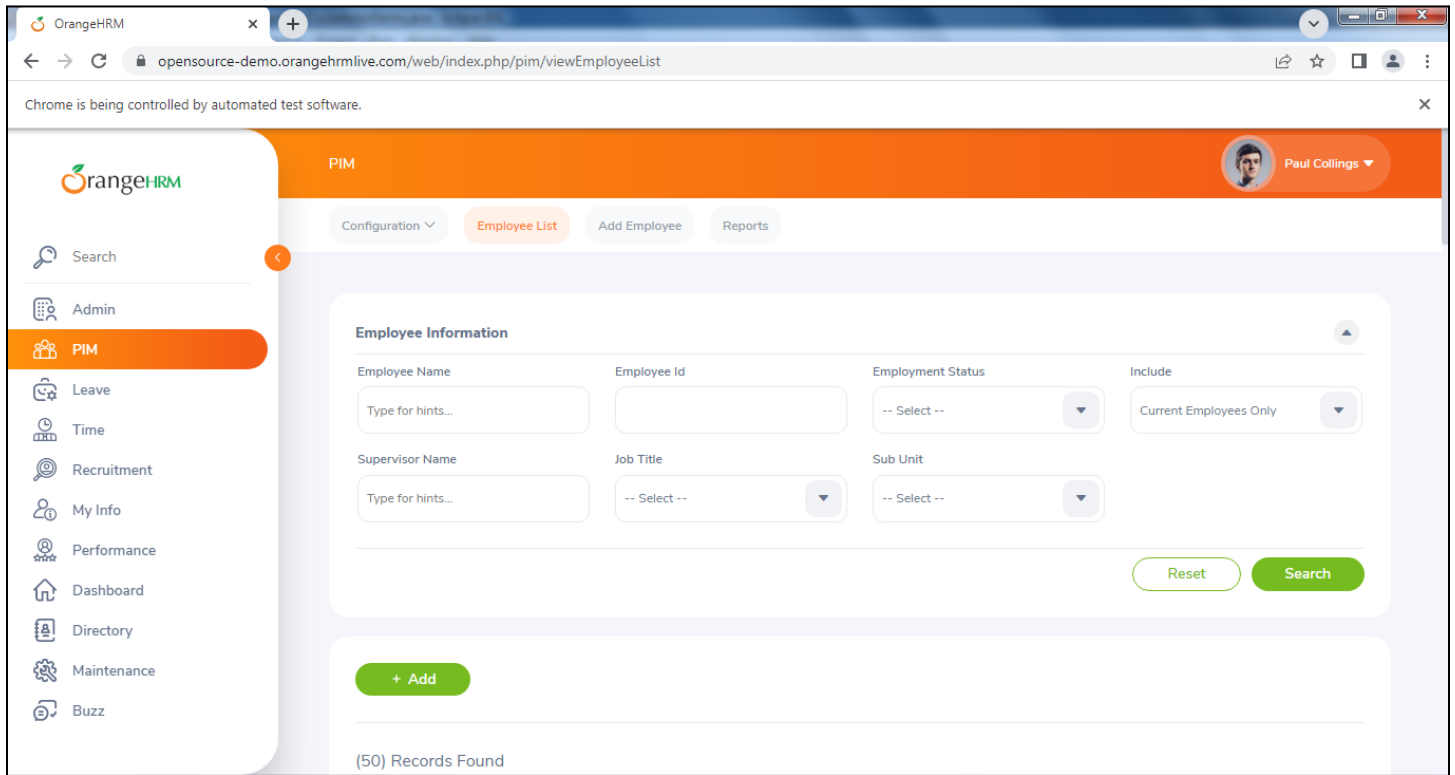
[Forgot your password?](#)



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**Q.2) Implement implicit wait on <https://opensource-demo.orangehrmlive.com/> Selenium webdriver.**

**Source code:**

```
package DemoPrograms;
```

```
import java.util.concurrent.TimeUnit;
```

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

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

```
import org.openqa.selenium.chrome.ChromeDriver;
```

```
public class ImplicitWaitDemo {
```

```
    public static void main(String[] args) throws Exception  
    {
```

```
        System.setProperty("webdriver.chrome.driver", "D:\\Selenium\\chromedriver.exe");
```

```
        WebDriver wd = new ChromeDriver();
```

```
        wd.get("https://opensource-demo.orangehrmlive.com/");
```

```
        wd.manage().window().maximize();
```

```
        wd.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);
```

```
        wd.findElement(By.cssSelector("input[name=username]")).sendKeys("Admin");
```

```
        wd.findElement(By.cssSelector("input[name=password]")).sendKeys("admin123");
```



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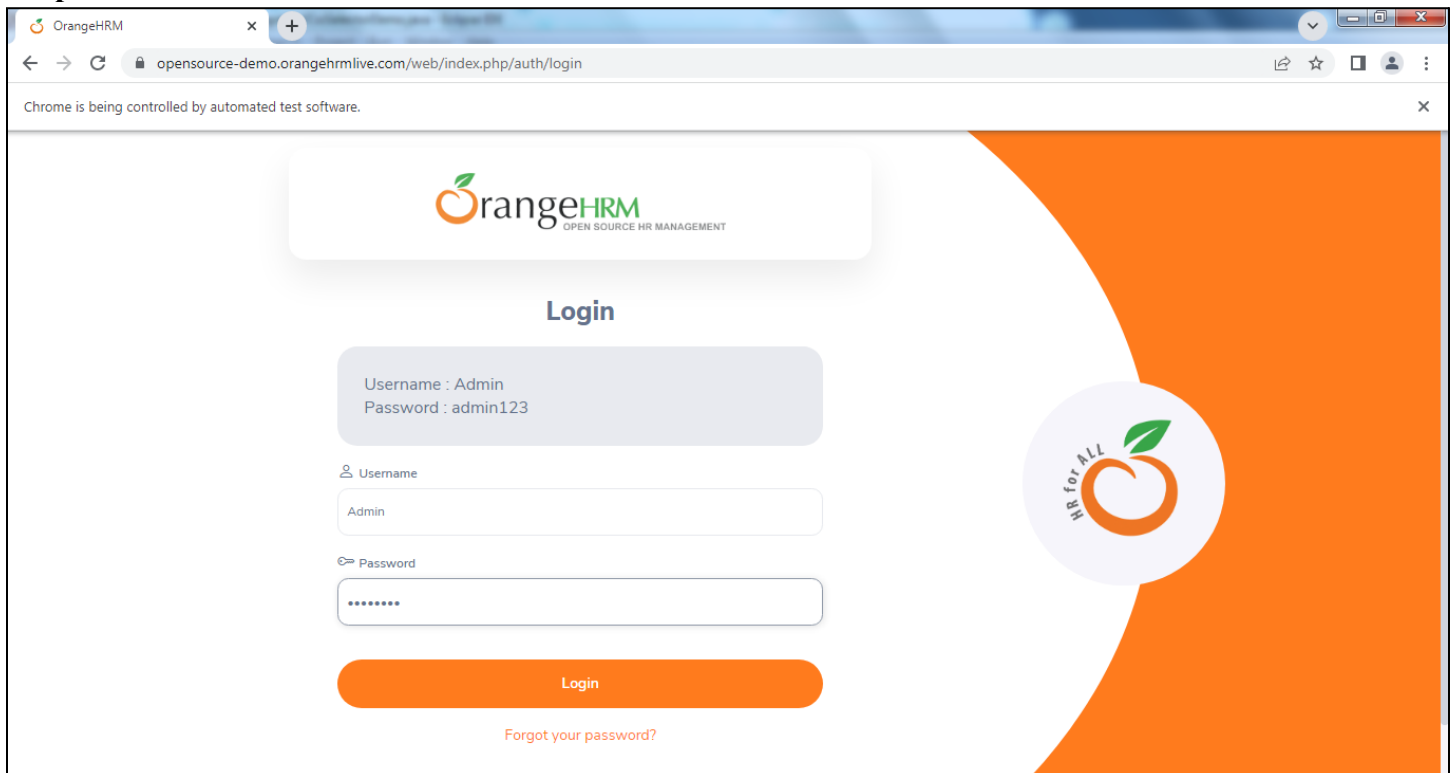
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```
wd.findElement(By.cssSelector("button.oxd-button.oxd-button--medium.oxd-button--main.oxd-button--orange.oxd-button--login-button")).click();
```

```
System.out.println("Done");  
wd.quit();
```

```
}  
}
```

### Output:

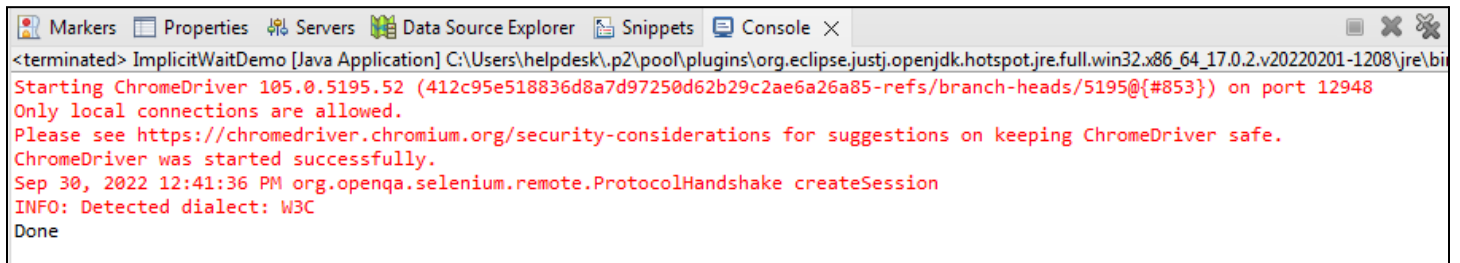
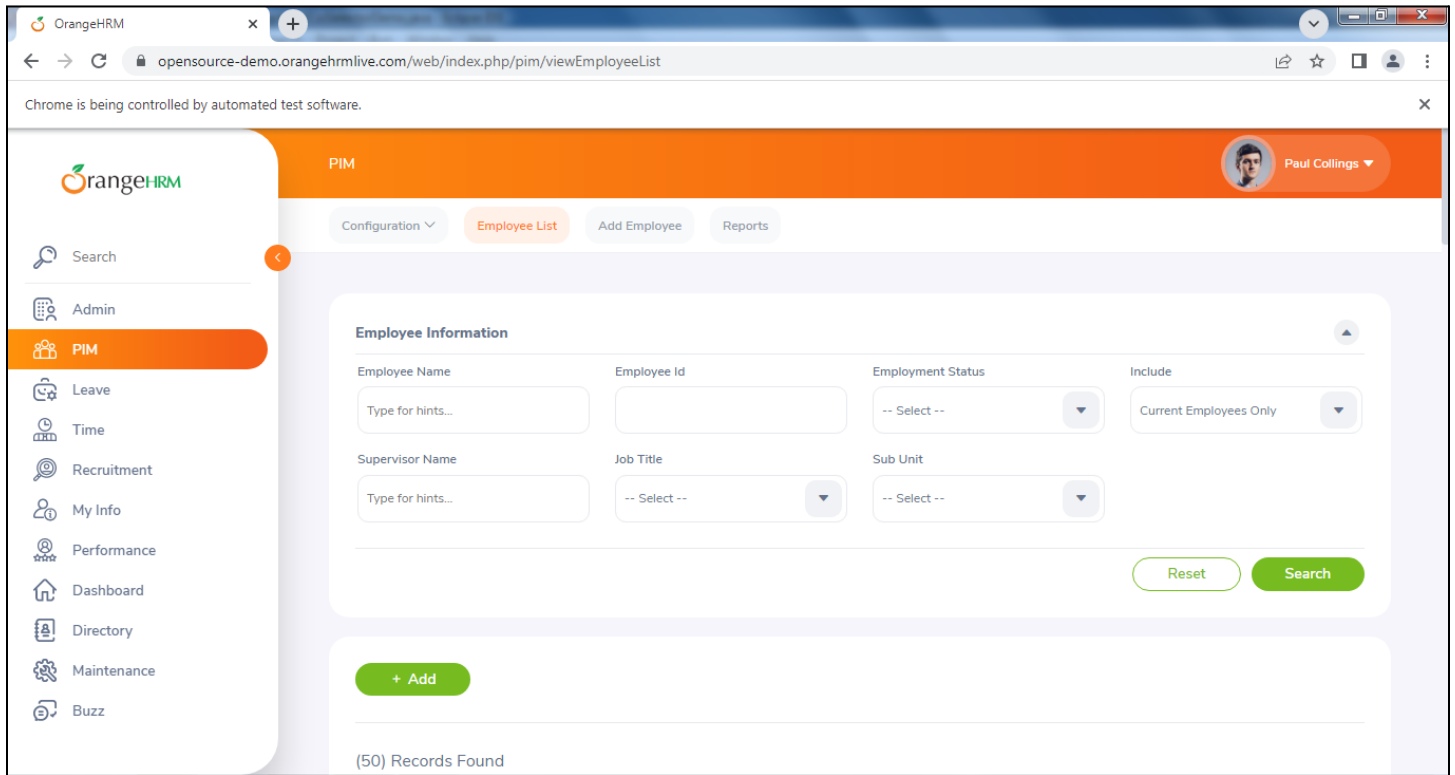




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**Q.3) Implement explicit wait on <https://infyspringboard.onwingspan.com/web/en/login> Selenium webdriver.**

**Source code:**

```
package DemoPrograms;
```

```
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.WebDriverWait;
```

```
public class ExplicitDemo {
```

```
    public static void main(String[] args) throws InterruptedException {
```



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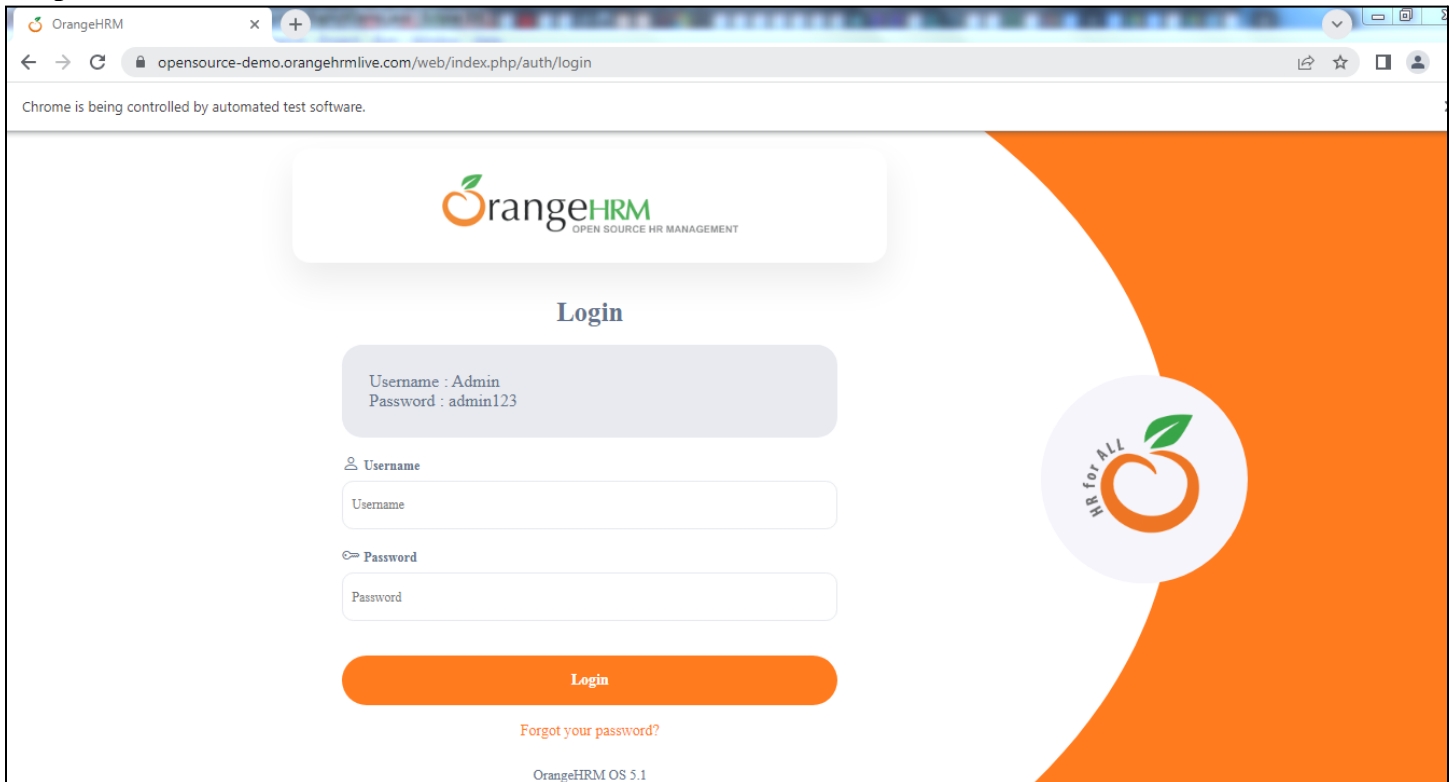
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```
// TODO Auto-generated method stub
System.setProperty("webdriver.chrome.driver", "D:\\Selenium\\chromedriver.exe");
WebDriver wd= new ChromeDriver();
WebDriverWait wt=new WebDriverWait(wd,20);

wd.get("https://opensource-demo.orangehrmlive.com/web/index.php/auth/login");
Thread.sleep(5000);
//wd.manage().timeouts().implicitlyWait(100, TimeUnit.SECONDS);

wd.findElement(By.xpath("//*[@id=\"app\"]/div[1]/div/div[1]/div/div[2]/div[2]/form/div[1]/div/div[2]/input")).
sendKeys("Admin");
System.out.println("Admin user-Explicitly wait");
wd.quit();
}
}
```

### Output:



**Q.4) Implement Multiselect on given web page Selenium webdriver.**  
**Source code:**



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```
package DemoPrograms;
```

```
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.Select;
```

```
public class MultiSelectDemo {
```

```
    public static void main(String[] args) {
        // TODO Auto-generated method stub
        System.setProperty("webdriver.chrome.driver", "D:\\Selinum\\chromedriver.exe");
        WebDriver wd= new ChromeDriver();
        wd.get("file:/B:/Sem-3/STQA/STQA%20LAB%20B2%20BATCH/mltiselectdemo.html");
        //To Implement radio button selection for web programming language
```

```
        WebElement radio1 = wd.findElement(By.id("html"));
        radio1.click();
        System.out.println("HTML IS SELECTED");
```

```
        WebElement radio2 = wd.findElement(By.id("age2"));
        radio2.click();
        System.out.println("Age is Selected");
```

```
        WebElement check1 = wd.findElement(By.id("3"));
        check1.click();
        WebElement check2 = wd.findElement(By.id("2"));
        check2.click();
        System.out.println("CheckboxS IS SELECTED");
```

```
        Select s = new Select(wd.findElement(By.id("select_languages")));
        if(s.isMultiple())
        {
            s.selectByIndex(1);
            s.selectByValue("C");
        }
        System.out.println("Slect IS SELECTED");
```

```
    }
```

```
}
```



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### Output:

Programming Languages x +

← → ↻ ⓘ File | B:/Sem-3/STQA/STQA%20LAB%20B2%20BATCH/multiselectdemo.html

Chrome is being controlled by automated test software.

## Demo Page

Please select your favorite Web language:

☒ HTML  
☐ CSS  
☐ JavaScript

Please select your age:

☐ 0 - 30  
☒ 31 - 60  
☐ 61 - 100

Show Checkboxes:

☐ Database Lab  
☒ Programming Lab  
☒ Language Lab

Select programming languages :

C++  
Python  
C  
Java

Submit





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```
Starting ChromeDriver 105.0.5195.52 (412c95e518836d8a7d97250c
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations
ChromeDriver was started successfully.
Oct 03, 2022 2:15:21 PM org.openqa.selenium.remote.ProtocolHandshake
INFO: Detected dialect: W3C
HTML IS SELECTED
Age is Selected
CheckboxS IS SELECTED
Slect IS SELECTED
```