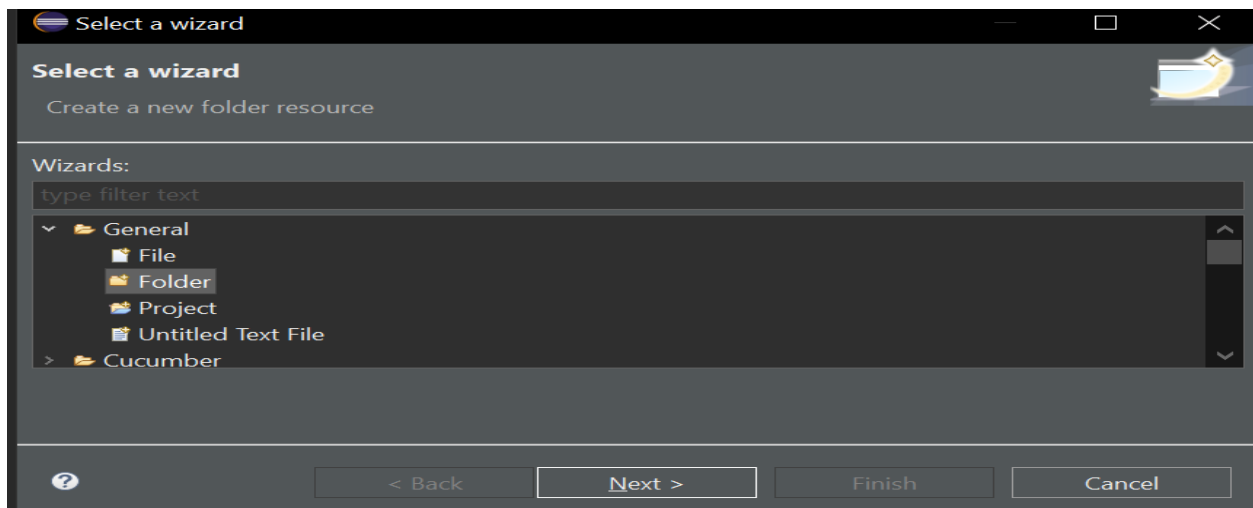# Steps to JAVA Selenium Projects
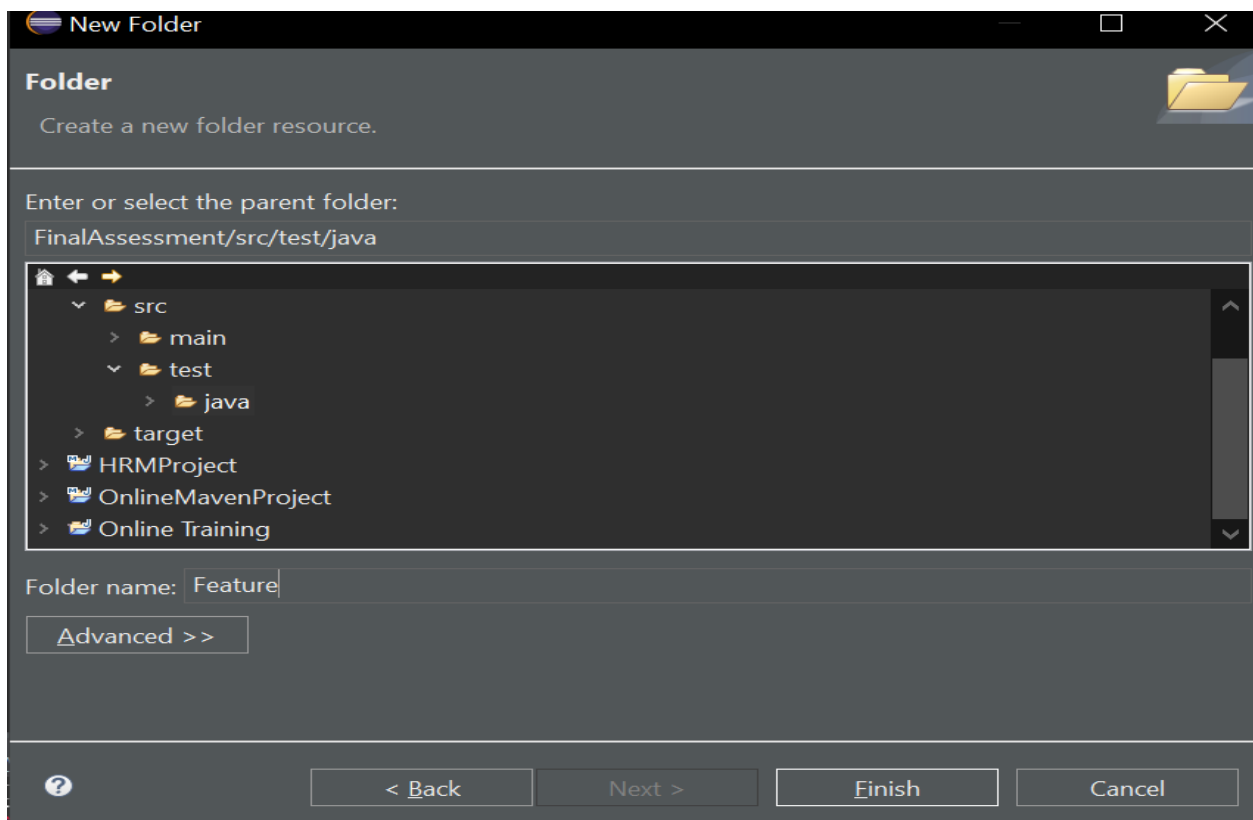
Automation Testing Stream

NAME- *KRITTIKA AGRAWAL*
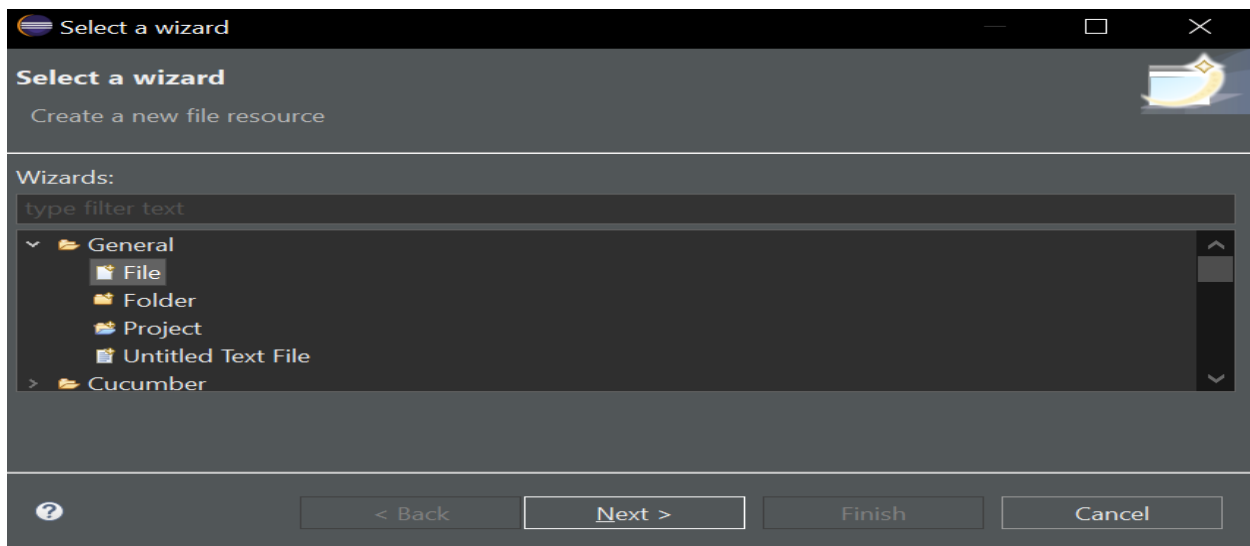
CONTENTS- *Cucumber Framework*

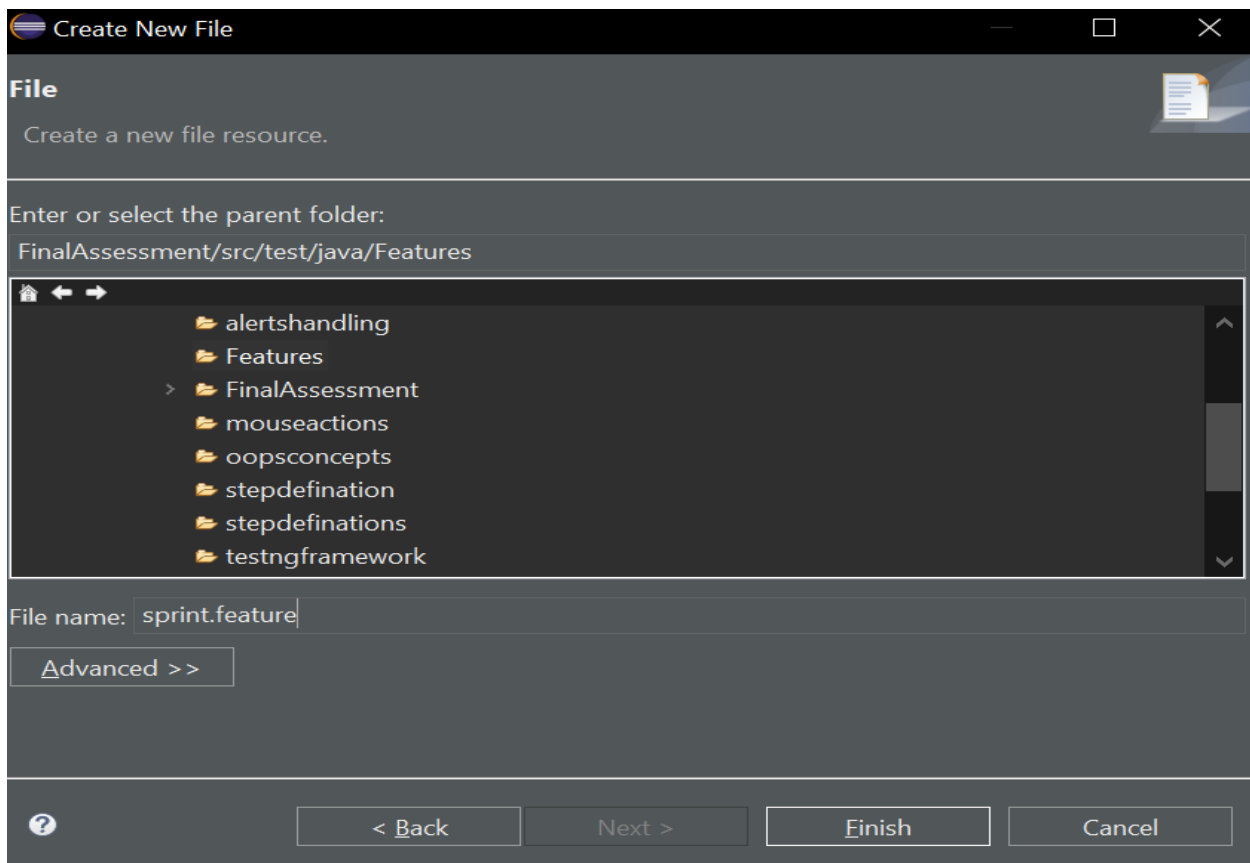**Step-1:** Created Folder and click on Next.

Step-2: Created Folder- "Features".

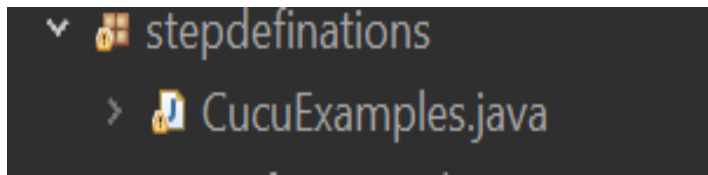**Step-3:** Created File and click on Next.

Step-4: Created File and name it with .feature at end. And finally, click on Finish.

.Feature file is the file name conventionally used to add cucumber features & scenarios.

Step-5: Created Classes for Package- "stepdefinations".

StepDefinations is the folder name conventionally used to add cucumber code-java classes.

Step-6: Code for feature file-"login.feature".

```
1  @tag
2  Feature: HRM Login Test Case and Apply Leave and Perform Search using Method Overloading
3
4    @tag1
5  Scenario: User is able to login with valid user id and password
6    Given browser is open and application is in login page
7    When user enters user name and password
8    Then home page is displayed
9
10   @tag2
11   Scenario: User Applies for Leave
12    Given user apply for leave
13    When leave is applied by user
14    Then Leave Applied
15
16   @tag3
17    Scenario: User Searches for people
18    Given User goes on Admin Page
19    Then User enters the fields
```

Step-7: Code for HRM Login.

```java
1  package stepdefinations;
2  import java.util.concurrent.TimeUnit;
11 public class CucuExamples {
12     private static WebDriver driver = null;
13     @Given("browser is open and application is in login page")
14     public void browser_is_open_and_application_is_in_login_page() {
15         System.setProperty("webdriver.chrome.driver", "C:\\Krittika\\chromedriver.exe");
16         driver = new ChromeDriver();
17         driver.get("https://opensource-demo.orangehrmlive.com/web/index.php/auth/login");
18     }
19     @When("user enters user name and password")
20     public void user_enters_user_name_and_password() {
21         driver.manage().timeouts().implicitlyWait(1000, TimeUnit.MILLISECONDS);
22         driver.findElement(By.xpath("//div/input[@name = 'username']")).sendKeys("Admin");
23         driver.findElement(By.xpath("//input[@type = 'password']")).sendKeys("admin123");
24     }
25     @Then("home page is displayed")
26     public void home_page_is_displayed() {
27         driver.findElement(By.xpath("//button[@type = 'submit']")).click();
28     }
29
```
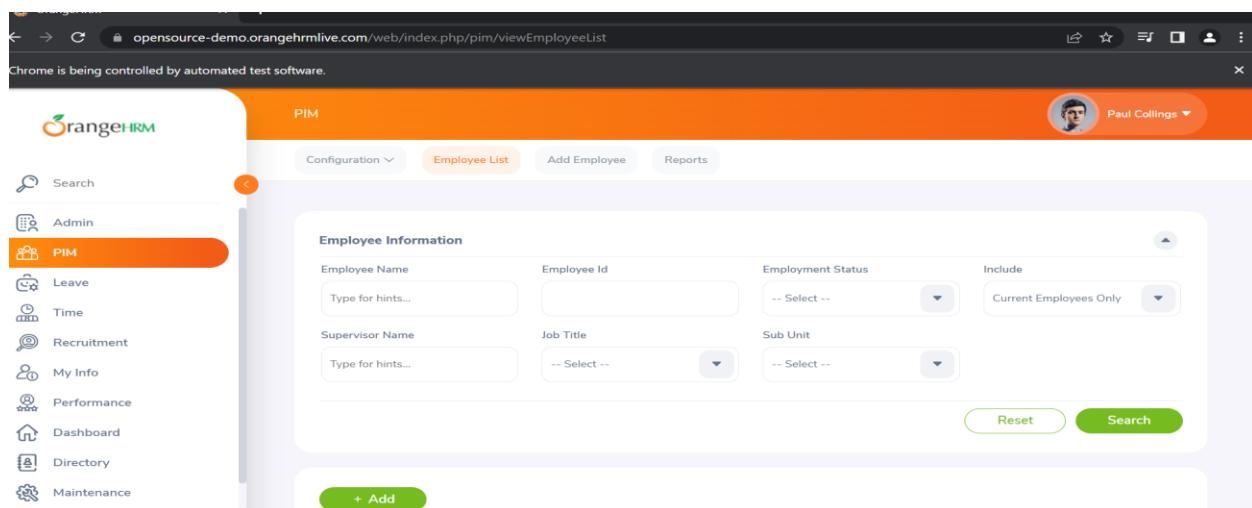
Step-8: Code for HRM Leave.

```java
30    @Given("user apply for leave")
31    public void user_go_to_leave() {
32        driver.findElement(By.LinkText("Leave")).click();
33        driver.findElement(By.LinkText("Apply")).click();
34    }
35    @When("leave is applied by user")
36    public void user_apply_leave() {
37        driver.findElement(By.xpath("//div[@class='oxd-select-text oxd-select-text--active']/div[2]/i")).click();
38        driver.findElement(By.xpath("//*[contains(text(),'CAN')]")).click();
39        driver.findElement(By.xpath("//div/div[2]/div/div/input")).sendKeys("2022-10-25");
40    }
41    @Then("Leave Applied")
42    public void leave_applied() {
43        driver.findElement(By.xpath("//button[@type='submit']")).click();
44    }
```

Step-9: Code for HRM Search Method Overloading.

```java
46    @Given("User goes on Admin Page")
47    public void user_go_to_admin() {
48        driver.findElement(By.xpath("//a/span")).click();
49    }
50    @Then("User enters the fields")
51    public void user_enter_details() {
52        CucuExamples func= new CucuExamples();
53        func.search("Admin");
54        func.search("Admin","Paul Collings");
55    }
56    void search(String userName)
57        {
58            driver.findElement(By.xpath("//div[2]/input")).sendKeys(userName);
59            driver.findElement(By.xpath("//button[@type = 'submit']")).click();
60        }
61    void search(String userName, String empName)
62        {
63            driver.findElement(By.xpath("//div[2]/input")).sendKeys(Keys.chord(Keys.CONTROL,"a",Keys.DELETE),userName);
64            driver.findElement(By.xpath("//div/div[2]/div/div/input")).sendKeys(empName);
65            driver.findElement(By.xpath("//button[@type = 'submit']")).click();
66        }
67 }
```

Step-10: Output for HRM Login.

Step-11: Outputs for Method Overloading Search Operation.

//Search Method 1

//Search Method 2

Step-12: Outputs for HRM Leave.