Java Assignments

**Java Assignments for Reference**

1. Accept marks of 5 subjects and canculate total and average marks.
2. Accept a bank balance from user and show the message as "Low Balance" if balance is less than 2000.
3. Accept a number from user and check whether it is +ve or –ve
4. Accept selling amount and purchase amount from user and display whether it is profit or loss and how much?
5. Accept a year from user and check whether it is leap or not?
6. Accept a bank balance from user and show the message as "Low Balance" if balance is less than 2000 or display the message as "Balance is ok"
7. Accept age from user and show the message as "You are valid for voting" if age is grater than or equal to 18 otherwise display the message as "You are not valid for voting"
8. Accept marks of 5 subjects and canculate total and average marks also display the grade as follows  
    Marks Grade  
    >= 85 Dist  
    < 85 & >= 75 A  
    < 75 & >= 60 B  
    < 60 & >= 50 C  
    < 50 & >= 35 D  
    < 35 Fail

Loops

1. Accept any number from user and print its multiplication table

1 \* 5 = 5

2 \* 5 = 10

3 \* 5 = 15

4 \* 5 = 20

1. Print the multiplication table of numbers from 1 to 10

Function

1. Try to write all above assignments with the help of function

Loops

1. Print following using for loop

Ankush1

Ankush2

Ankush3

Ankush4

Ankush5

1. Print following using nested loop

Row1 Cell1 Row1 Cell2 Row1 Cell3

Row2 Cell1 Row2 Cell2 Row2 Cell3

Row3 Cell1 Row3 Cell2 Row3 Cell3

Row4 Cell1 Row4 Cell2 Row4 Cell3

Selenium Assignments

**Please note that these assignments are not need to upload anywhere.**

1. What is the need and return type of getPageSource()? Create a code for this method.
2. Launch <https://www.echotrak.com/Login.aspx?ReturnUrl=%2f>
   1. Enter user name as your name
   2. Enter password as yourname123
   3. Click on Login button  
      **Use the locator Name**
3. Launch <https://www.echotrak.com/Login.aspx?ReturnUrl=%2f>
   1. Enter user name as your name
   2. Enter password as yourname123
   3. Click on Login button  
      **Use the id Locator**

**Date: 06 Oct 2025**

1. Launch <https://www.google.com/>
   1. Enter **Pattankodoli Yatra**
   2. Hit Enter

**Use any locator id/name/className**

1. Launch <https://www.echotrak.com/Login.aspx?ReturnUrl=%2f>
   1. Enter user name as your name
   2. Enter password as yourname123
   3. Click on Login button  
      **Use the className Locator**
2. Launch <https://www.facebook.com/>
   1. Enter username as [test@gmail.com](mailto:test@gmail.com)
   2. Enter password as test@123
   3. Click on Login Button  
      **Use className locator**
3. Launch <https://www.echotrak.com/Login.aspx?ReturnUrl=%2f>
   1. Enter user name as your name
   2. Enter password as yourname123
   3. Click on Login button  
      **Use the CssSelector Attributes Locator**
4. Launch <https://register.rediff.com/register/register.php?FormName=user_details>
   1. Enter full Name
   2. Enter Rediff Id
   3. Enter Password
   4. Enter Confirm Password
   5. Enter Email ID
   6. Enter Phone No

**Use CssSelector Special Characters**

**Date: 07 Oct 2025**

1. Launch <https://www.echotrak.com/Login.aspx?ReturnUrl=%2f>
   1. Enter user name as your name
   2. Enter password as yourname123
   3. Click on Login button  
      **Use the xpath Locator**
2. Launch <https://register.rediff.com/register/register.php?FormName=user_details>
   1. Enter full Name
   2. Enter Rediff Id
   3. Enter Password
   4. Enter Confirm Password
   5. Enter Email ID
   6. Enter Phone No

**Use xpath**

1. Launch <https://www.facebook.com/>
   1. Enter username as [test@gmail.com](mailto:test@gmail.com)
   2. Enter password as test@123
   3. Click on Login Button
   4. Display the error message.  
      **Use XPath locator**
2. Launch <https://www.echotrak.com/Login.aspx?ReturnUrl=%2f>
   1. Enter user name as your name
   2. Enter password as yourname123
   3. Click on Login button  
      **Use the relative xpath Locator**
3. Launch <https://register.rediff.com/register/register.php?FormName=user_details>
   1. Enter full Name
   2. Enter Rediff Id
   3. Enter Password
   4. Enter Confirm Password
   5. Enter Email ID
   6. Enter Phone No
   7. **Use the relative xpath Locator**
4. Launch <https://www.facebook.com/>
   1. Enter username as [test@gmail.com](mailto:test@gmail.com)
   2. Enter password as test@123
   3. Click on Login Button
   4. Display the error message.  
      **Use the relative xpath Locator**
5. Open <https://echoecho.com/htmlforms09.htm>
   1. Display the status of all 3 checkboxes (Milk, butter and Cheese)
   2. Only select those checkboxes those are not selected
   3. Display the status.
6. Open <https://echoecho.com/htmlforms10.htm>
   1. Display the status of each radio button
   2. Click on each radio button
   3. Display the status of each radio button.

**Date: 08 Oct 2025**

1. Open <https://register.rediff.com/register/register.php?FormName=user_details>
   1. Select your birth date
   2. Display your birth date in following format  
      My Birth Date is: 29 JAN 1979
2. Launch <https://omayo.blogspot.com/>
   1. Select doc2 from Older newsletter dropdown list
   2. Display the selected option
3. Launch <https://testautomationpractice.blogspot.com/?m=1>
   1. Enter Name
   2. Enter Email
   3. Enter Phone no
   4. Enter Address
   5. Select Gender
   6. Select the day on your birthdate
   7. Select your desired country
   8. Select any two / three color with your choice
   9. Select any two / three animals
4. Open <https://www.redbus.in/>
   1. Click on From
   2. Enter first 4 characters from your city (Kolhapur – kolh)
   3. Click on the 1st option (City)
   4. Click on To
   5. Enter Bang (Bangalore)
   6. Click on Bangalore from the list
   7. Click on Calendar icon
   8. Click on 31
   9. Click on Search buses button
   10. Display the 1st bus from list

Date: 09 Oct 2025

1. Complete the redbus assignment with ExplicitWait  
   wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath(""))).click();
2. Launch <https://opensource-demo.orangehrmlive.com/web/index.php/auth/login>
   1. Enter user name as admin
   2. Enter password as admin123
   3. Click on Login button
   4. Logout the application (only if login is successful)
3. Open <https://dash.bling-center.com/platform/signIn.html>
   1. Click on forgot password
   2. Enter your email id
   3. Click on reset password button
   4. Display the text (message) in green color.
4. Complete the redbus assignment with FluentWait.
5. Open <https://opensource-demo.orangehrmlive.com/web/index.php/auth/login>
   1. Login with Admin (admin, admin123)
   2. Click on PIM
   3. Click on + Add button
   4. Enter First Name
   5. Enter Middle Name
   6. Enter Last Name
   7. Click on Create Login Details
   8. Enter User Name
   9. Enter Password
   10. Enter Confirm Password
   11. Click on Save Button
   12. Logout
   13. Login using data provided in step no h & i
   14. Display name of employee on logout link
   15. Click on My Info
   16. Display the Employee ID
   17. Logout
   18. Login with admin
   19. Click on Admin
   20. Enter user name
   21. Click on Search
   22. Delete the record displayed
   23. Logout

Date: 13 Oct 2025

1. Open <https://www.rediff.com/>
   1. Click on Money
   2. Click on More Gainers
   3. Display title of all the headers
   4. Display total no of rows
   5. Display any row randomly
   6. Display list of all the companies (Company name only)
   7. Read all current price and display the highest price.  
      (Read all the current price, store in array and then sort an array so you will get highest price)
2. **Open** [**https://demoqa.com/webtables**](https://demoqa.com/webtables)
   1. **Try to display all header columns**
   2. **Click on Add button**
   3. **Enter all the data**
   4. **Search the first name in First Name column**
   5. **Click on delete button in the same row (Don’t copy the xpath of delete button from last row)**
3. **Open** [**https://www.iplt20.com/points-table/men/2024**](https://www.iplt20.com/points-table/men/2024)
   1. **Display list of all the Teams**
   2. **Display all result of each team about N W L**
   3. **Display count of N, W & L**
   4. **Display the result as follow  
      KKR NNWWW N-2, W-3, L-0**

**Date: 14 October 2025**

1. Open <https://omayo.blogspot.com/>
   1. Click on ClickToGetAlert button
   2. Display the text on alert
   3. Click on Ok button
   4. Click on GetPrompt Button
   5. Enter your name
   6. Click on Ok button
   7. Click on GetConfirmation Button
   8. Click on Cancel button
2. Complete the registration process on <https://demoqa.com/automation-practice-form>
3. **Open** [**https://sampleapp.tricentis.com/101/index.php**](https://sampleapp.tricentis.com/101/index.php)
   1. **Click on Automobile**
   2. **Click on Enter Insurant Data**
   3. **Upload your picture**
4. Open <https://istqb.in/>
   1. Display all 8 menus
5. Open <https://www.irctc.co.in/nget/profile/user-registration>
   1. Complete the registration process.
   2. Display the messages after clicking on Submit button.
6. Open <https://www.fitpeo.com/revenue-calculator>
   1. Try scrolling slider so that the value will become 800
7. Open <https://www.fitpeo.com/revenue-calculator>
   1. Try entering 600 in the text box.
8. Open <https://asana.com/>
   1. Click on login button

Date: 15 October 2025

1. Complete facebook login using Relative Locator
2. Open <https://www.jotform.com/form-templates/exam-registration-form>
   1. Complete the registration process
3. Open <https://www.nimblework.com/resources/?tx_post_tag=case-studies>
   1. Click on The image of chat
   2. Type Hello in the chat text box
   3. Hit Enter

**TestNG Assignment**

1. Create a TestNG Class with name D05BigBasketAssignment
   1. Launch <https://www.bigbasket.com/>
   2. Print the title
   3. **Click on Exotic Fruits link**
   4. Print the title
   5. Launch <https://www.bigbasket.com/>
   6. Print the title
   7. **Click on Tea link**
   8. Print the title
   9. Launch <https://www.bigbasket.com/>
   10. Print the title
   11. **Click on Ghee link**
   12. Print the title
   13. Launch <https://www.bigbasket.com/>
   14. Print the title
   15. **Click on Nandhini link**
   16. Print the title
2. Complete the echotrak login assignment using @DataProvider.
   1. Display the error message as well
3. Find out types of Assertion
4. Complete the registration process on <https://demoqa.com/automation-practice-form> using POM
   1. Use Page Factory for this assignment for every object.

**Cucumber Assignment**

Create 4 Scenarios to test BigBasket links