

ACT 1

```
WebDriverManager.firefoxdriver().setup();
WebDriver driver = new FirefoxDriver();
driver.get("https://v1.training-support.net");
String title = driver.getTitle();
System.out.println(title);
WebElement aboutUs = driver.findElement(By.id("about-link"));
System.out.println(aboutUs);
aboutUs.click();
System.out.println(driver.getTitle());
```

ACT 2 and 3

```
WebDriverManager.firefoxdriver().setup();
WebDriver driver = new FirefoxDriver();
driver.get("https://v1.training-support.net/selenium/login-form");
String title = driver.getTitle();
System.out.println(title);
WebElement user = driver.findElement(By.id("username"));
user.sendKeys("admin");
WebElement pass = driver.findElement(By.id("password"));
pass.sendKeys("password");
WebElement loginButton =
driver.findElement(By.xpath("/html/body/div[2]/div/div[2]/div[2]/div/div/bu
tton"));
loginButton.click();
```

ACT 4

```
WebDriverManager.firefoxdriver().setup();
WebDriver driver = new FirefoxDriver();
driver.get("https://v1.training-support.net/selenium/target-practice");
String title = driver.getTitle();
System.out.println(title);
WebElement thirdHeader = driver.findElement(By.xpath("//*[@id=\"third-
header\"]"));
String thirdHeaderText = thirdHeader.getText();
System.out.println(thirdHeaderText);
WebElement fifthHeader =
driver.findElement(By.xpath("/html/body/div/div[2]/div/div[2]/div/div/div/d
iv[1]/h5"));
fifthHeader.getCssValue("color");
System.out.println(fifthHeader.getCssValue("color"));
WebElement violetButton =
driver.findElement(By.cssSelector(".ui.violet.button"));
System.out.println(violetButton.getAttribute("class"));
driver.quit();
```

ACT 6

```
WebDriverManager.firefoxdriver().setup();
WebDriver driver = new FirefoxDriver();
driver.get("https://v1.training-support.net/selenium/input-events");
Actions action = new Actions(driver);
action.sendKeys("N").perform();
action.keyDown(Keys.CONTROL).sendKeys("A").perform();
action.keyDown(Keys.CONTROL).sendKeys("C").perform();
```

ACT 7

```
WebDriverManager.firefoxdriver().setup();
WebDriver driver = new FirefoxDriver();
driver.get("https://v1.training-support.net/selenium/drag-drop");
driver.getTitle();
WebElement football = driver.findElement(By.id("draggable"));
WebElement dz1 = driver.findElement(By.id("droppable"));
WebElement dz2 = driver.findElement(By.id("dropzone2"));
Actions builder = new Actions(driver);
Actions actionsToPerform =
builder.clickAndHold(football).moveToElement(dz1).release();
actionsToPerform.perform();
WebElement dz1op = dz1.findElement(By.tagName("p"));
System.out.println(dz1op.getText()+"left");
Actions actionsToPerform2 =
builder.clickAndHold(football).moveToElement(dz2).release();
actionsToPerform2.perform();
WebElement dz2op = dz2.findElement(By.tagName("p"));
System.out.println(dz2op.getText()+"right");
```

ACT 8

```
WebDriverManager.firefoxdriver().setup();
WebDriver driver = new FirefoxDriver();
driver.get("https://v1.training-support.net/selenium/dynamic-controls");
driver.getTitle();
WebElement checkBox =
driver.findElement(By.xpath("/html/body/div[3]/div/div[1]/div[1]/input"));
WebElement checkButton = driver.findElement(By.id("toggleCheckbox"));
WebDriverWait wait = new WebDriverWait(driver, Duration.ofSeconds(20));
checkBox.click();
wait.until(ExpectedConditions.invisibilityOfElementLocated(By.id("DynamicCheckbox")));
checkButton.click();
wait.until(ExpectedConditions.visibilityOfElementLocated(By.id("DynamicCheckbox")));
checkButton.click();
checkBox.click();
```

ACT 9

```
WebDriverManager.firefoxdriver().setup();
WebDriver driver = new FirefoxDriver();
driver.get("https://v1.training-support.net/selenium/ajax");
driver.getTitle();
WebElement button =
driver.findElement(By.xpath("/html/body/div[2]/div/div[2]/button"));
WebDriverWait wait = new WebDriverWait(driver, Duration.ofSeconds(20));
button.click();
wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath("/html/body/div[2]/div/div[2]/h1")));
WebElement helloVis =
driver.findElement(By.xpath("/html/body/div[2]/div/div[2]/h1"));
System.out.println(helloVis.getText());
wait.until(ExpectedConditions.textToBe(By.xpath("/html/body/div[2]/div/div[2]/h3"), "I'm late!"));
WebElement imlateVis =
driver.findElement(By.xpath("/html/body/div[2]/div/div[2]/h3"));
System.out.println(imlateVis.getText());
```

ACT 10

```
WebDriverManager.firefoxdriver().setup();
WebDriver driver = new FirefoxDriver();
driver.get("https://v1.training-support.net/selenium/dynamic-controls");
System.out.println(driver.getTitle());
WebElement chkbox=
driver.findElement(By.xpath("//*[@id=\"dynamicCheckbox\"]/input"));
WebElement blueButton=
driver.findElement(By.xpath("//*[@id=\"toggleCheckbox\"]"));
chkbox.click();
System.out.println(chkbox.isDisplayed());
blueButton.click();
System.out.println(chkbox.isDisplayed());
```

ACT 11

```
WebDriverManager.firefoxdriver().setup();
WebDriver driver = new FirefoxDriver();
driver.get("https://v1.training-support.net/selenium/dynamic-controls");
String title = driver.getTitle();
System.out.println(title);
WebElement
checkBox=driver.findElement(By.xpath("//html/body/div[3]/div/div[1]/div[1]/input"));
System.out.println("is the element selected : "+checkBox.isSelected());
checkBox.click();
System.out.println(checkBox.isSelected());
driver.quit();
```

ACT 12

```
WebDriverManager.firefoxdriver().setup();
WebDriver driver = new FirefoxDriver();
driver.get("https://v1.training-support.net/selenium/dynamic-controls");
System.out.println(driver.getTitle());
WebElement chkbox =
driver.findElement(By.xpath("//*[@id=\"dynamicText\"]/input"));
System.out.println(chkbox.isEnabled());
WebElement enbButton = driver.findElement(By.id("toggleInput"));
enbButton.click();
System.out.println(chkbox.isEnabled());
```

ACT 13

```
WebDriverManager.firefoxdriver().setup();
WebDriver driver = new FirefoxDriver();
driver.get("https://v1.training-support.net/selenium/tables");
String title = driver.getTitle();
System.out.println(title);
WebElement table =
driver.findElement(By.xpath("/html/body/div/div[2]/div/div[2]/div[2]/table"
));
int rowCount = table.findElements(By.xpath("./tr")).size();
System.out.println("Number of rows: " + rowCount);
int columnCount = table.findElements(By.xpath("./tr[1]/td")).size();
System.out.println("Number of columns: " + columnCount);
System.out.println(table.findElement(By.xpath("/html/body/div/div[2]/div/div[2]/div[2]/table/tbody/tr[3]")).getText());
System.out.println(table.findElement(By.xpath("/html/body/div/div[2]/div/div[2]/div[2]/table/tbody/tr[3]/td[2]")).getText());
driver.quit();
```

ACT 14

```
WebDriverManager.firefoxdriver().setup();
WebDriver driver = new FirefoxDriver();
driver.get("https://v1.training-support.net/selenium/tables");
driver.manage().window().maximize();
driver.getTitle();
List<WebElement> rows =
driver.findElements(By.xpath("//*[@id=\"sortableTable\"]/tbody/tr"));
List<WebElement> cols =
driver.findElements(By.xpath("//*[@id=\"sortableTable\"]/tbody/tr[1]/td"));
System.out.println(rows.size());
System.out.println(cols.size());
System.out.println(driver.findElement(By.xpath("//*[@id=\"sortableTable\"]/tbody/tr[2]/td[2]")).getText());
WebElement notes =
driver.findElement(By.xpath("//*[@id=\"sortableTable\"]/thead/tr/th[3]"));
notes.click();
System.out.println(driver.findElement(By.xpath("//*[@id=\"sortableTable\"]/tbody/tr[2]/td[2]")).getText());
```

ACT 15

```
WebDriverManager.firefoxdriver().setup();
WebDriver driver = new FirefoxDriver();
driver.get("https://v1.training-support.net/selenium/tables");
driver.manage().window().maximize();
driver.getTitle();
WebElement rows =
driver.findElement(By.xpath("/html/body/div/div[2]/div/div[2]/div[2]/table/
tbody"));
List<WebElement> row = rows.findElements(By.tagName("tr"));
System.out.println(row.size());
String row3 = rows.findElement(By.xpath("//tr[3]")).getText();
System.out.println(row3);
driver.get("https://v1.training-support.net/selenium/javascript-alerts");
driver.manage().window().maximize();
driver.getTitle();
WebElement cb = driver.findElement((By.id("confirm")));
cb.click();
WebDriverWait wait = new WebDriverWait(driver, Duration.ofSeconds(20));
wait.until(ExpectedConditions.alertIsPresent());
Alert alert = driver.switchTo().alert();
System.out.println(alert.getText());
alert.accept();
cb.click();
System.out.println(alert.getText());
alert.dismiss();
```

ACT 16

```
WebDriverManager.firefoxdriver().setup();
WebDriver driver = new FirefoxDriver();
WebDriverWait wait = new WebDriverWait(driver, Duration.ofSeconds(10));
driver.get("https://v1.training-support.net/selenium/dynamic-attributes");
String title = driver.getTitle();
System.out.println(title);
WebElement username =
driver.findElement(By.xpath("/html/body/div[2]/div/div[2]/div[2]/div/div[3]
/div/div/div[1]/input"));
username.click();
username.sendKeys("admin");
WebElement pass =
driver.findElement(By.xpath("/html/body/div[2]/div/div[2]/div[2]/div/div[3]
/div/div/div[2]/input"));
pass.click();
pass.sendKeys("password");
WebElement conPass = driver.findElement(By.xpath("//*[@id=\"dynamic-
attributes-form\"] /div/div[3]/input"));
conPass.click();
conPass.sendKeys("password");
WebElement email = driver.findElement(By.xpath("//*[@id=\"dynamic-
attributes-form\"] /div/div[4]/input"));
email.click();
email.sendKeys("123@abc.com");
WebElement signUp =
driver.findElement(By.xpath("/html/body/div[2]/div/div[2]/div[2]/div/div[3]
/div/div/button"));
signUp.click();
```

```

wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id=
\"action-confirmation\"]")));
WebElement message=driver.findElement(By.xpath("//*[@id=\"action-
confirmation\"]"));
System.out.println(message.getText());
driver.quit();

```

ACT 17

```

WebDriverManager.firefoxdriver().setup();
WebDriver driver = new FirefoxDriver();
driver.get("https://v1.training-support.net/selenium/selects");
String title = driver.getTitle();
System.out.println(title);
WebElement DropDown = driver.findElement(By.xpath("//*[@id=\"single-
select\"]"));
DropDown.click();
Select select=new Select(DropDown);
List<WebElement> options=select.getOptions();
select.selectByVisibleText("Option 2");
select.selectByIndex(3);
select.selectByValue("4");
System.out.println("Options:");
for (WebElement o : options) {
    System.out.println(o.getText());
}
driver.quit();

```

ACT 18

```

WebDriverManager.firefoxdriver().setup();
WebDriver driver = new FirefoxDriver();
driver.get("https://v1.training-support.net/selenium/selects");
String title = driver.getTitle();
System.out.println(title);
WebElement DropDown =
driver.findElement(By.xpath("/html/body/div/div[2]/div/div[2]/div/div/div/d
iv[2]"));
DropDown.click();
Select select = new Select(driver.findElement(By.id("multi-select")));
select.selectByVisibleText("Javascript");
select.selectByIndex(4);
select.selectByIndex(5);
select.selectByIndex(6);
select.selectByValue("node");
select.deselectByIndex(5);

```

ACT 19

```
WebDriverManager.firefoxdriver().setup();
WebDriver driver = new FirefoxDriver();
WebDriverWait wait = new WebDriverWait(driver, Duration.ofSeconds(10));
driver.get("https://v1.training-support.net/selenium/javascript-alerts");
String title = driver.getTitle();
System.out.println(title);
WebElement Confirm=driver.findElement(By.xpath("//*[id=\"confirm\"]"));
Confirm.click();
wait.until(ExpectedConditions.alertIsPresent());
Alert alert=driver.switchTo().alert();
System.out.println(alert.getText());
alert.accept();
Confirm.click();
alert.dismiss();
driver.quit();
```

ACT 20

```
WebDriverManager.firefoxdriver().setup();
WebDriver driver = new FirefoxDriver();
driver.get("https://v1.training-support.net/selenium/javascript-alerts");
String title = driver.getTitle();
System.out.println(title);
WebDriverWait wait = new WebDriverWait(driver, Duration.ofSeconds(10));
WebElement promptButton =
driver.findElement(By.xpath("//*[id=\"prompt\"]"));
promptButton.click();
wait.until(ExpectedConditions.alertIsPresent());
Alert alert = driver.switchTo().alert();
System.out.println(alert.getText());
alert.sendKeys("Awesome!");
alert.accept();
driver.quit();
```

ACT 21

```
WebDriverManager.firefoxdriver().setup();
WebDriver driver = new FirefoxDriver();
driver.get("https://v1.training-support.net/selenium/tab-opener");
driver.manage().window().maximize();
driver.getTitle();
driver.findElement(By.id("launcher")).click();
WebDriverWait wait = new WebDriverWait(driver, Duration.ofSeconds(20));
wait.until(ExpectedConditions.numberOfWindowsToBe((2)));
for(String handle: driver.getWindowHandles()) {
    driver.switchTo().window(handle);
}
wait.until(ExpectedConditions.visibilityOfElementLocated(By.className("content")));
driver.findElement(By.id("actionButton")).click();
for(String handle: driver.getWindowHandles()) {
    driver.switchTo().window(handle);
    System.out.println(handle);
}
```

ACT 22

```
WebDriverManager.firefoxdriver().setup();
WebDriver driver = new FirefoxDriver();
driver.get("https://v1.training-support.net/selenium/popups");
String title = driver.getTitle();
System.out.println(title);
WebElement signIn=
driver.findElement(By.xpath("/html/body/div[2]/div/div/div[2]/div[2]/button
"));
Actions action = new Actions(driver);
action.moveToElement(signIn).perform();
String tooltipMessage = signIn.getAttribute("data-tooltip");
System.out.println("Tooltip Message: " + tooltipMessage);
signIn.click();
WebElement usernameField = driver.findElement(By.id("username"));
WebElement passwordField = driver.findElement(By.id("password"));
usernameField.sendKeys("admin");
passwordField.sendKeys("password");
WebElement loginButton = driver.findElement(By.xpath("//button[text()='Log
in']"));
loginButton.click();
WebElement successMessage = driver.findElement(By.xpath("//*[@id=\"action-
confirmation\"]"));
System.out.println("Login Success Message: " + successMessage.getText());
driver.quit();
```