

CheckBox & Radio Button Operations

CheckBox & Radio Button Operations are easy to perform and most of the times the simple ***ID attributes*** work fine for both of these.

Different Selection Method

By ID

If ***ID*** is given for the *Radio Button/CheckBox* and you just want to click on it irrespective of it's value, then the command will be like this:

```
WebElement radioButton = driver.findElement(By.id("toolsqa"));

radioBtn.click();
```

With IsSelected

If your choice is based on the *pre-selection* of the *Radio Button/Check Box* and you just need to select the deselected *Radio Button/Check Box*. Assume there are two *Radio Buttons/Check Boxes*, one is selected by default and you want to select the other one for your test.

With *IsSelected* statement, you can get to know that the element is selected or not.

// Store all the elements of same category in the list of WebLements

```
List oRadioButton = driver.findElements(By.name("toolsqa"));
```

```
// Create a boolean variable which will hold the value (True/False)
```

```
boolean bValue = false;
```

```
// This statement will return True, in case of first Radio button is selected
```

```
bValue = oRadioButton.get(0).isSelected();
```

```
// This will check that if the bValue is True means if the first radio button is selected
```

```
if(bValue = true){
```

```
    // This will select Second radio button, if the first radio button is selected by default
```

```
    oRadioButton.get(1).click();
```

```
}else{
```

```
    // If the first radio button is not selected by default, the first will be selected
```

```
    oRadioButton.get(0).click();
```

```
}
```

With Value

You can even select *Radio Buttons/Check Boxes* with their Values.

```
// Find the checkbox or radio button element by Name
```

```
List oCheckBox = driver.findElements(By.name("tool"));
```

```
// This will tell you the number of checkboxes are present
```

```
int iSize = oCheckBox.size();
```

```
// Start the loop from first checkbox to last checkboxe
```

```
for(int i=0; i < iSize ; i++ ){

    // Store the checkbox name to the string variable, using 'Value' attribute

    String sValue = oCheckBox.get(i).getAttribute("value");

    // Select the checkbox if the value of the checkbox is same what you are looking for

    if (sValue.equalsIgnoreCase("toolsqa")){

        oCheckBox.get(i).click();

        // This will take the execution out of for loop

        break;

    }

}
```

By CssSelector

A simple way of selecting a check-box or radio button is by using its value:

```
WebElement oCheckBox = driver.findElement(By.cssSelector("input[value='Tools QA']"));
oCheckBox.click();
```