

Q1) What is Selenium Webdriver?

Selenium Web driver is set of class which used computerize the web application.

Q2) Is Selenium Web Driver Automation Tool?

No Selenium web Driver is not an Automation tool, it's a framework or set of class which is used to automate a web based application.

Q3) Can Selenium Web Services tested using Selenium?

No it is used to automate only web based application.

Q4) what is different locator supported in selenium?

Different Locators are:

- * ID
- * ClassName
- * Name
- * TagName
- * LinkText
- * Partial Link Text
- * XPATH
- * CSS

Q5) How Can we presentation Different browser using python?

For Chrome

```
driver=Webdriver.Chrome("PathofChromedriver")
```

For Firefox

```
driver=webdriver.Firefox("Path of Firefox Driver")
```

for IE

```
driver=webdriver.Ie("Path of IE Driver")
```

Q6) what kind of application best suitable for Selenium and why it should be selected?

It is used to automate web based application and have browser and Platform compatibility.

It supports multiple languages such as [Java 8 features](#), C# and Python.

Q7) How Synchronization works in Selenium?

Synchronization is achieved using Implicit Wait and Explicit Wait.

Q8) what is Implicit Wait?

Implicit Wait is used to default waiting time.

Q9) What are the different ways of selecting the values in dropdown?

- * SelectByValue: select the option based on option value.
- * selectByVisibleText: select the option based on visible text.
- * selectByIndex: selects the option base on Index

Q10) How can enter the values in text box using python?

```
driver.find_element(By.ID,"Value").send_keys("Value")
```

Q11) what is the difference b/w findelement and findelements?

FindElement returns first matching element.

FindElements returns more than one elements.

Q12) How can we get text of a web elements?

`driver.find_element(By.ID,"Value").text`, this exact method will return inner text of the control.

Q13) Is there any other way of reteriving text of web element?

```
driver.find_element(By.ID,"Value").get_attribute("InnerText")
```

Q14) what is explicitly Wait?

Explicit Wait is used to halt the execution until condition is met or when time is elapsed.

Q15) what are the different Navigation commands in selenium?

it is used to refresh

```
driver.refresh()
```

it is used to navigate back

```
driver.back()
```

it is used to move forward

```
driver.forward()
```

Q16) How can we checked if control enabled or not?

`driver.find_element(By.ID,"Value").is_enabled()`, this detailed method will return if true or false.

Q17) what is the difference b/w Driver.Close and Diver.quit?

Close is used to close the entire browser

quit is used to close the working tab.

Q18) How can we perform drag and drop in selenium?

`act=ActionChains(driver)`

`act.drag_and_drop(sourcelement,targetelement)`, with this method we can perform drag and drop

Q19) Can we move the mouse control to specific coordinate in selenium?

Yes we can, [selenium training](#) offers Action class in which we can make use of the `act.move_by_offset()` method to move the mouse control to specific organizes.

Q20) How can capture screenshot in selenium?

`driver.get_screenshot_as_file ("filename")` with this method we can take screen shot.

Q21) What are switch Class in selenium?

Switch class are used to switch between the different browsers, frames and alert pop-up.

Q22) What Action class in selenium?

Action class is user facing Application Programming Interface API to achieve difficult user action events.

Q23) Can selenium handle the windows pop up?

No Selenium can't handle windows pop Up

Q24) How can mouse hover on a controls in selenium?

`act=actionChains(driver)`

`act.move_to_element(element)`

with the above method we mouse hover on element, element argument is web element where we need to mouse hover.

Q25) Can selenium handle WebBased Pop Up?

Yes it can handle webbased pop up using “driver.switch_to_alert()”

Q26) Write a method to read data from webtable for specific row and column index using selenium.

```
def GetData(rowIndex,colIndex):  
    tablerows=driver.find_element_by_id("IdValue").find_elements_by_tag_name("tr")  
    tableDefinitons=tablerows[rowIndex+1].find_elements_by_tag_name("td")  
    return tableDefinitons[colIndex].get_attribute("innerText")
```

Q27) What are Python unittest default methods?

#Will execute before the execution of each test method

```
def setUp(self):
```

```
    pass
```

will execute once before it executes the any test methods

```
def setUpClass(cls):
```

```
    pass
```

#will execute after the execution of each test method

```
def tearDown(self):
```

```
    pass
```

will execute after it executes all the test methods.

```
def tearDownClass(cls):
```

```
    pass
```

Q28) Can Image or Captcha be automated using in [selenium](#)?

No captcha or image can't be automated.

Q29) What is difference between list and tuple?

list is mutable while tuple is not mutable.

Q30) What is pass in python?

Pass means no operation to be done

Q31) How will install selenium in python?

We will use PIP command to install selenium

Pip install selenium Version_Nos

Q32) How can we converts string to int in python?

using int("23") to convert to int.

str(23) to convert to string

Q33) How will you handle exception in python?

try,except and finally key word is used to handle the exception

try:

#code

except: #catches the exception

finally: #executes the block whether any exception is raised or not.

Q34) What are the different data types supports in python?

Number, string, float and complex are the supported data types in python

Q35) What is MRO in python?

Method Resolution order is used in inheritance concepts

where class is inheriting multiple class and in all the parent class, same method is defined.

Child class is confused which method to call during run time. So the MRO helps to resolve the issue.

Q36) How will identify when web element doesn't have any of the unique locator?

We can make use of the get_attribute method to get web element from list of web elements.

for control in controls:

if control.get_attribute("attributename")== "attributeValue":

#found the matching control

Q37) what is difference b/w link text and partial link text?

LinkText will return element which exact match of given text.

Partial link text will return which include the given text.

Q38) What are the different exception in selenium?

- * webdriver exception
- * noalertPresent Exception
- * nosuchwindow Exception
- *nosuchelement exception
- *timeoutexception

Q39) How to execute java script in [selenium login](#) with python?

driver.execute_script(script)

above method will execute the java script.

Q40) what are the different way entering value Textbox?

- * driver.find_element_by_id("Val").send_keys("valuetoentered")
 - * Other is using Action Class
- ```
act=ActionChains (driver)
act.send_keys_to_element(control,"Valuetobeentered")
```

**Q41) what is the use of Xpath?**

Xpath is used to find the web element in webpage.

**Q42) What is difference between single and double slash in xpath?**

Single slash is start selection from the document node.

Double slash is start selection from anywhere in the document.

**Q43) How will perform double click on web element?**

```
act=ActionChains(driver)
act.double_click(control)
```

Above method will be used to double click on the control.

**Q44) What are the different automation Frameworks?**

- \* Data Driven Framework
- \* Key Driven Framework
- \* Hybrid Framework

**Q45) What is framework?**

Framework defines a set of rules or best practices which we can follow in systematic way to achieve the desired results.

**Q46) What is difference between getWindowHandle() and getWindowHandles ()**

getWindowHandle()- it is used to get address of the the current browser where the control is and return type is string.

getWindowHandles ()- it is used to get the address of the all open browser and its return type is set<string>

**Q47) How will you handle multiple windows in selenium?**

We can use “switch\_to\_window” method to switch between the multiple windows. where in argument we would be sending the address of the window in the form of string.

**Q48) How will you verify if you have switched between the correct windows?**

We can verify the window title to see if the we have switched to correct window or not.

```
driver.switch_to_window("windowname")
```

```
if driver.title=="titleName":
```

```
#switched to correct window
```

**Q49) How to login into any site if it showing authentication pop up for username and password?**

To achieve this type of issue we can pass username and pwd with URL

```
http://username:password@url
```

**Q50) How to fetch the current URL in selenium?**

```
driver.current_url returns the current url of the browser
```

**Q51) How do you convert a number into a string?**

```
>use str() inbuilt function in python
```

**Q52) What is slicing?**

> Slicing is used to fetch a specific range of items from sequence types like list, tuple, Strings etc

**Q53) what is the o/p of teh following code?**

```
i = 6
while (i==6):
print("Value of i is"+i)
> 'value of 1 is 6' and program will not stop
```

**Q54) what is the o/p of len("") ?**

> 0

**Q55) write a program for the below pattern?**

1 12 123 1234 12345 > a = 0

While(a<5):

val = 0

while(val<=a): val = val +1 strprint = str(a) print(str(val), end = "") a = a + 1 print()

**Q56) write a program for the below pattern with only one while loop?**

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> a = 0

bool = True

While(a<=5):

if(a<0): break; if(a==5): bool = False if(bool): a = a + 1 else: a = a - 1 print("\*"\*a)

**Q57) Does python support Multiple inheritance?**

> Yes



**Q58) Which of the following functions does return a list of elements?**

1. find\_element\_by\_xpath
2. find\_element\_by\_id
3. find\_elements\_by\_name
4. find\_element\_by\_partial\_link\_text
5. find\_element\_by\_link\_text

>3

**Q59) which of the following is not a valid webdriver class?**

1. Webdriver.ActionChains
2. webdriver.Firefox
3. webdriver.HtmlUnit
4. webdriver.Chrome

> 1

**Q60) How to find the length of the list?**

? Len(list)