Key Examination points

- Exam Duration – 75 Minutes
- Total number of questions 50
- Passing percentage 60%
- No Negative marking
- Selenium 4.X questions would be part of the assessment
- Selenium eco system questions as per the learning objective will be part of the assessment
- This mock paper has only 20 questions for reference
- CP-SAT Foundation Questions would be from the following Selenium Eco-System Categories
    - Docker
    - Generic / Scenario based
    - Git
    - Grid
    - Locator
    - SIDE
    - WebDriver
    - Pip, Setuptools, and Anaconda
    - Python

This mock paper is having only 20 questions and the category distribution may not be the same as that of the actual exam.

Question 1

The Selenium Grid in Selenium version 4 no longer has a hub

   A) True

   B) False

Question 2

what is the first step for installation of Selenium grid (3.x)?

   A)   Start Hub

   B)   Configure Hub

   C)   Start Node

   D)   Configure Node

Question 3

Docker is not the only container mechanism there are others.

   A)   FALSE

   B)   TRUE

Question 4

Which command is used in docker to stop a running container?

   A)   docker stop

   B)   docker kill

   C)   docker rm

   D)   docker halt

Question 5: How can mouse hover on a control in selenium?

1. element = driver.findelement()
   element.goto()
2. act=ActionChains(driver)
   act.move_to_element(element)
3. driver.mouse_over (element)
4. driver.navigate_to(element)

Question 6

Which of the following is used to scroll to an element in Selenium?

A. driver.scrollToElement(element)
B. driver.scrollByElement(element)
C. driver.executeScript("arguments[0].scrollIntoView();", element)
D. None of the above

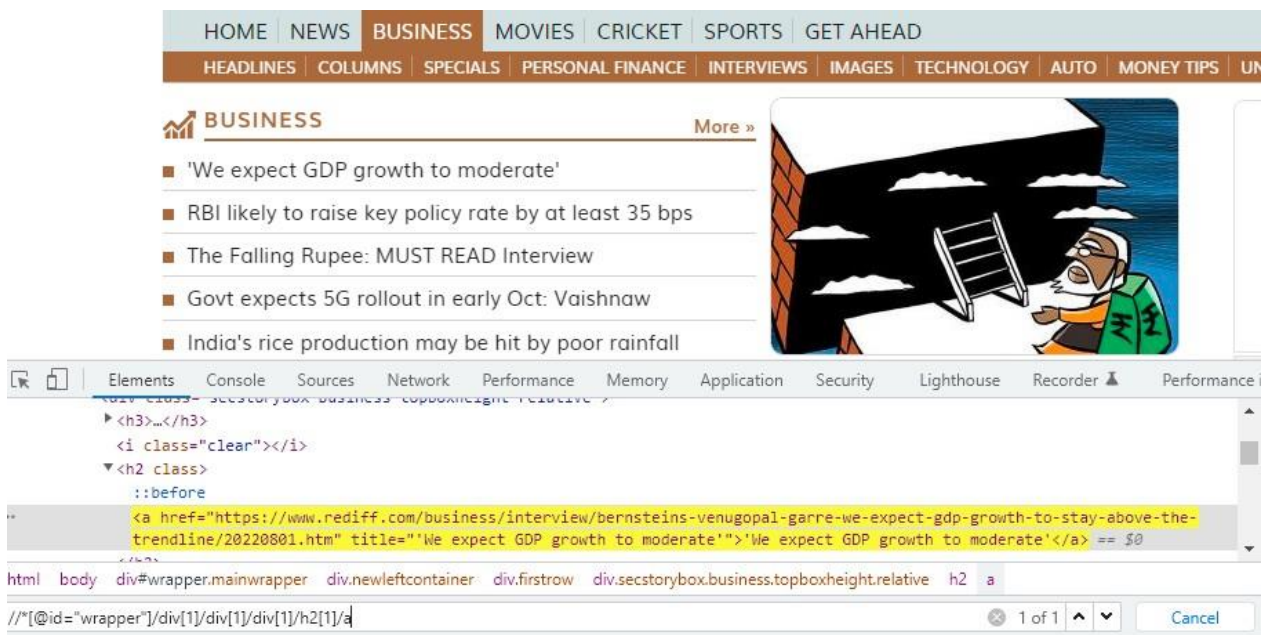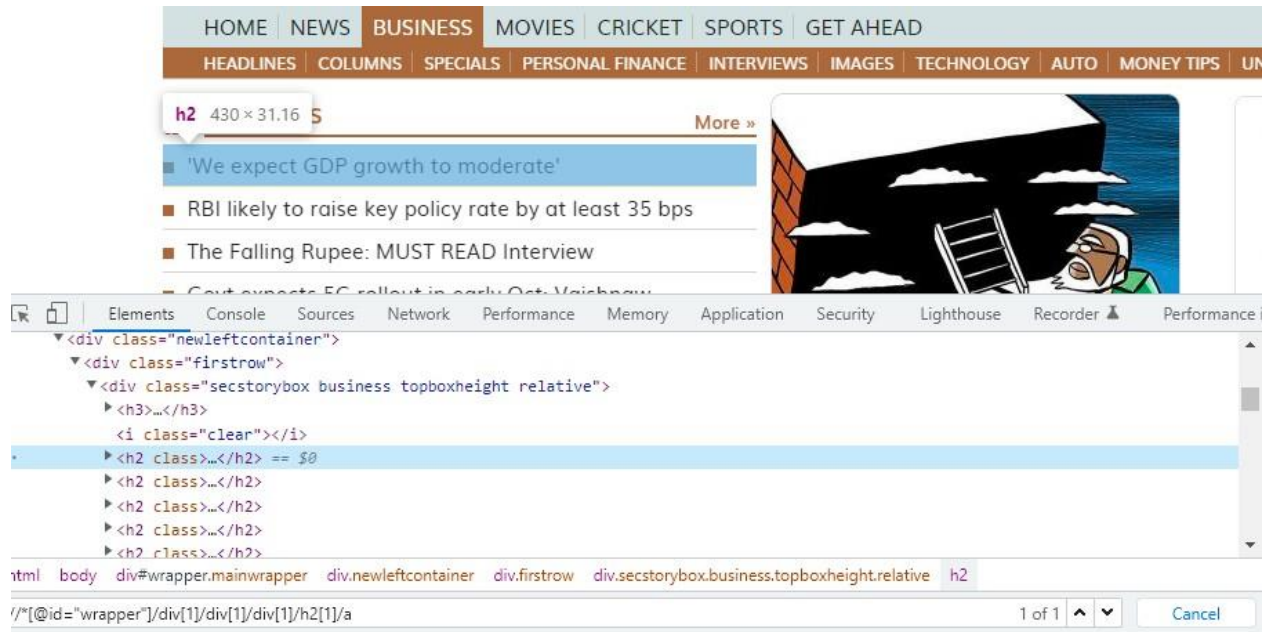## Question 7

Please refer the following images

Image 7.1

Image 7.1

Which of the following code snippets would capture the <h2> heading 2 displayed text for all the headlines

i) //*[@id="wrapper"]/div[1]/div[1]/div[1]/h2/a/text()

ii) //*[@id="wrapper"]/div[1]/div[1]/div[1]/h2[1]/a/text()

iii) //*[@id="wrapper"]/div[1]/div[1]/div[1]/h2[*]/a/text()

iv) //*[@id="wrapper"]/div[1]/div[1]/div[1]/h2[#]/a/text()

v) //*[@id="wrapper"]/div[1]/div[1]/div[1]/h2[2,3,4,5]/a/text()

A) All the options are correct

B) Only i) is correct

C) Only i) and iii) are correct

D) Only i), iii) and v) are correct

Question 8

Which of the following is used to upload a file in Selenium?

A. driver.uploadFile()

B. driver.sendKeys()

C. driver.upload()

D. None of the above

Question 9

git push -u origin <branch-name>

      A)   This command will push data to master branch

      B)   This command will push data to a branch <branch-name>

      C)   This command will push data to branch called as origin

      D)   This command will create a new repository

Question 10

Selenium 4 offers a new way of locating elements by using natural language terms such as

i "above"

ii "below"

iii "left of"

iv "right of"

v "near"

vi "adjacent to"

vii "behind"

viii "in front of"

A. All the terms above are relevant and are present in Selenium 4

B. Except vi,vii,viii all are relevant and are present in Selenium 4

C. i,ii,v,vii are relevant and are present in Selenium 4

D. None of te terms above are relevant and are not present in Selenium 4

Question 11

Which of the following is used to take screenshots in Selenium?

        A. getScreenshotAs() method
        B. takeScreenshot() method
        C. captureScreenshot() method
        D. get_screenshot_as_file() method

Question 12

Which of the following is used in find element 'By' class is for specify which attribute is used to locate elements on a page

        A. ID, XPATH, NAME, CLASS_NAME, LINK_TEXT
        B. TAG_NAME, PARTIAL_LINK_TEXT
        C. Only 1.
        D. Both 1 & 2

Question 13

Which of the following methods is used to find the below element

```
<input id="id-search-field" name="q" type="search" role="textbox" class="search-
field" placeholder="Search" value="" tabindex="1">
```

        a. driver.find_element("id","id-search-field")
        b. driver.find_element("type","search")
        c. driver.find_element("xpath"," //input[@id='id-search-field']")
        d. driver.find_element("class","search-field")
        e. driver.find_elements("name","q")

        A. a,b,d
        B. a,c,d,e
        C. a,c,e
        D. c,d,e

Question 14

How to do we switch between windows using selenium driver

        A. driver.switch_to.window("window")
        B. driver.switch_to().window("window")
        C. driver.switch_to("window")
        D. both 1 & 3

Question 15

How to move the driver from window to alert message?

    A. driver.alert()

    B. driver.switch_to.window("alert")

    C. driver.switch_to.browser("alert")

    D. driver.switch_to.alert()

Question 16

Method to get title of the page_____

    A. driver.fetchTitle()

    B. driver.getPageTitle()

    C. driver.title

    D. driver.getTitle()

Question 17

Which syntax can be used to handle dynamic elements?

    A. startwith( ) a//label[startwith(@id, `message`)]

    B. text( ) a//td[text() = `usedId`]

    C. contains( ) a //*[contains(@name=`btn`)]

    D. All of above

Question 18

How many attributes are available for the By class for locating elements on a page?

    A. 8

    B. 7

    C. 6

    D. 5

Question 19

```
<input id="id-search-field" name="q" type="search" role="textbox" class="search-
field" placeholder="Search" value="" tabindex="1">
```

driver.find_elements ("id","id-seach-*")

What will be the above line of code output?

     A. []
     B. Will return an input web element
     C. Will throw a syntax error
     D. Will throw a NoSuchElementException

Question 20

Which exception is shown in selenium when there is a delay in the loading time of the elements with which we are interacting?

     A. Not Visible Exception
     B. Element Not Visible Exception
     C. Load Time Exceeding Exception
     D. None of the above
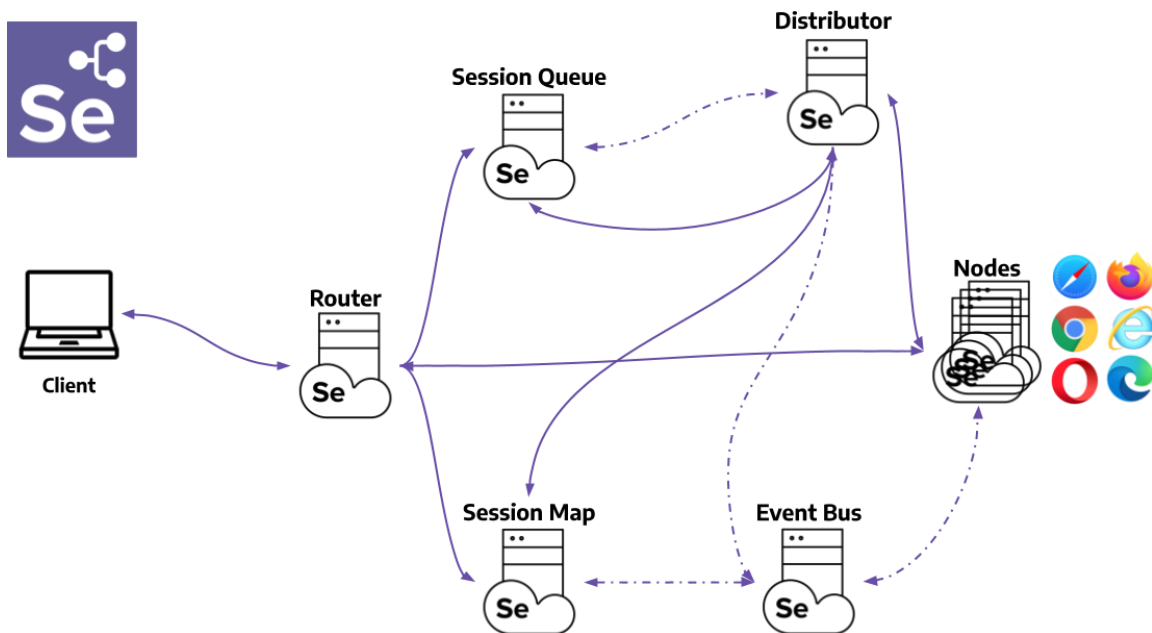
The Selenium Grid in Selenium version 4 no longer has a hub

  A) True
  B) False

Question 1. Correct answer is A)

The new architecture in Selenium Grid is as below

Question 2

what is the first step for installation of Selenium grid (3.x)?

  A)   Start Hub

  B)   Configure Hub

  C)   Start Node

  D)   Configure Node

Reference

https://www.selenium.dev/documentation/legacy/selenium_3/grid_setup/

First step in grid installation in to start the hub

Step 1: Start the Hub

Question 3

Docker is not the only container mechanism there are others.

       A)   FALSE

       B)   TRUE

Buildah, BuildKit, Containerd, LXD may be other open source container mechanism options that are existing.

Question 4

Which command is used in docker to stop a running container?

       A)   docker stop

       B)   docker kill

       C)   docker rm

       D)   docker halt

Correct Answer is A)

Reference:

docker stop

Stop one or more running containers

https://docs.docker.com/engine/reference/commandline/stop/

Question 5

How can mouse hover on a control in selenium?

   A. element = driver.findelement()
        a. element.goto()
   B. act=ActionChains(driver)
        a. act.move_to_element(element)

C. driver.mouse_over (element)
D. driver.navigate_to(element)

Correct Answer: B.

act=ActionChains(driver) act.move_to_element(element)

Question 6

Which of the following is used to scroll to an element in Selenium?

E. driver.scrollToElement(element)
F. driver.scrollByElement(element)
G. driver.executeScript("arguments[0].scrollIntoView();", element)
H. None of the above

Correct Answer: C

driver.executeScript("arguments[0].scrollIntoView();", element)

Explanation: driver.executeScript("arguments[0].scrollIntoView();", element) is used to scroll to an element in Selenium.

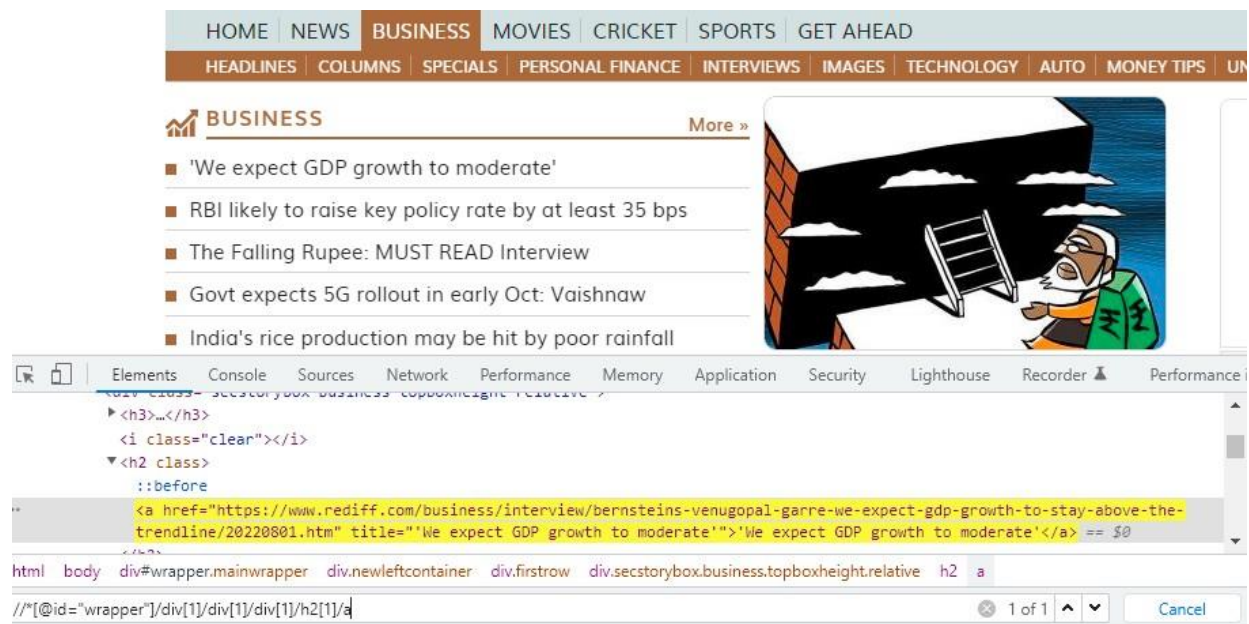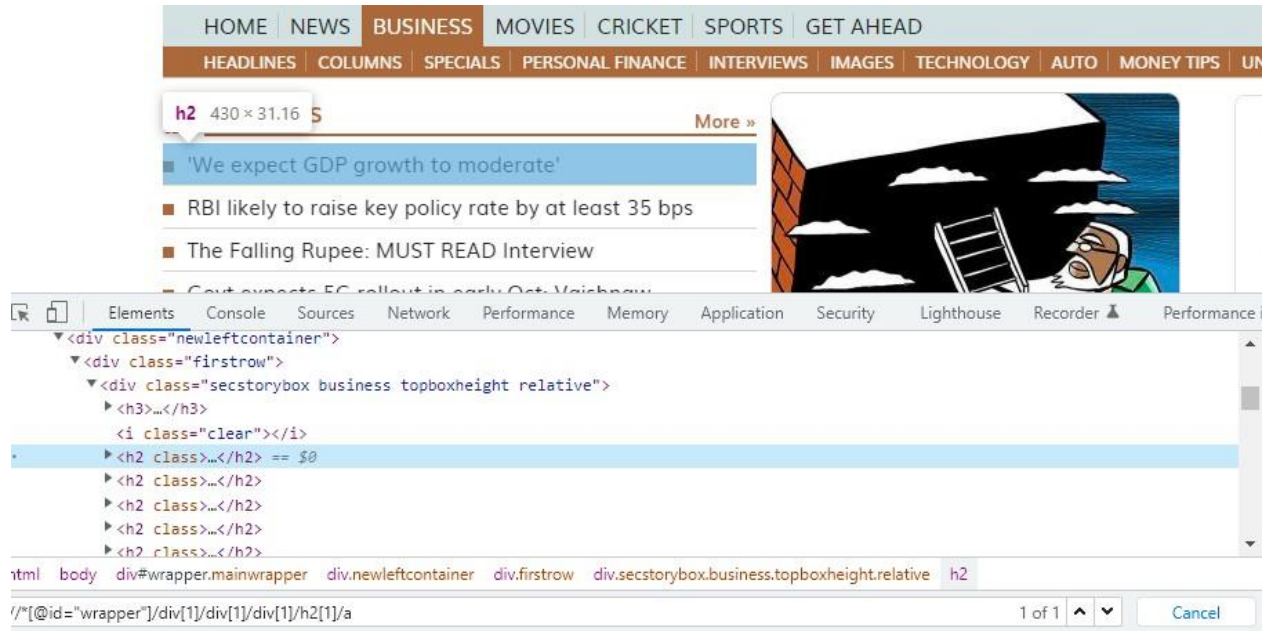## Question 7

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   iii) //*[@id="wrapper"]/div[1]/div[1]/div[1]/h2[*]/a/text()
   iv) //*[@id="wrapper"]/div[1]/div[1]/div[1]/h2[#]/a/text()
   v) //*[@id="wrapper"]/div[1]/div[1]/div[1]/h2[2,3,4,5]/a/text()

   A) All the options are correct
   B) Only i) is correct
   C) Only i) and iii) are correct
   D) Only i), iii) and v) are correct

Correct answer is C)

Question 8

Which of the following is used to upload a file in Selenium?

   A. driver.uploadFile()
   B. driver.sendKeys()
   C. driver.upload()
   D. None of the above

Correct Answer:

B. <mark>driver.sendKeys()</mark>

Explanation: driver.sendKeys() is used to upload a file in Selenium.

Question 9

git push -u origin <branch-name>

A)		This command will push data to master branch
B)		<mark>This command will push data to a branch <branch-name></mark>
C)		This command will push data to branch called as origin
D)		This command will create a new repository

Correct answer is B)

Question 10

Selenium 4 offers a new way of locating elements by using natural language terms such as

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C. i,ii,v,vii are relevant and are present in Selenium 4

D. None of te terms above are relevant and are not present in Selenium 4

Release date 14 August 2023 version 1.1

Correct answer is B)

Reference

Question 11

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> E. getScreenshotAs() method
> F. takeScreenshot() method
> G. captureScreenshot() method
> H. get_screenshot_as_file() method

Correct Answer:

D. get_screenshot_as_file() method

Question 12

Which of the following is used in find element 'By' class is for specify which attribute is used to locate elements on a page

> E. ID, XPATH, NAME, CLASS_NAME, LINK_TEXT
> F. TAG_NAME, PARTIAL_LINK_TEXT
> G. Only 1.
> H. Both 1 & 2

Correct Answer :

D Both 1 & 2

Question 13

Which of the following methods is used to find the below element

```
<input id="id-search-field" name="q" type="search" role="textbox" class="search-
field" placeholder="Search" value="" tabindex="1">
```

> a. driver.find_element("id","id-search-field")
> b. driver.find_element("type","search")
> c. driver.find_element("xpath"," //input[@id='id-search-field']")
> d. driver.find_element("class","search-field")
> e. driver.find_elements("name","q")

A. a,b,d
B. a,c,d,e
C. a,c,e
D. c,d,e

Correct Answer

C: a,c,e

Question 14

How to do we switch between windows using selenium driver

A. driver.switch_to.window("window")
B. driver.switch_to().window("window")
C. driver.switch_to("window")
D. both 1 & 3

Correct Answer

A: driver.switch_to.window("window")

Question 15

How to move the driver from window to alert message?

A. driver.alert()
B. driver.switch_to.window("alert")
C. driver.switch_to.browser("alert")
D. driver.switch_to.alert()

Correct Answer

 D: driver.switch_to.alert()

Question 16

Method to get title of the page_____

A. driver.fetchTitle()
B. driver.getPageTitle()
C. driver.title
D. driver.getTitle()

Correct Answer:

C. driver.title

Question 17

Which syntax can be used to handle dynamic elements?

    A. startwith( ) a//label[startwith(@id, `message`)]
    B. text( ) a//td[text() = `usedId`]
    C. contains( ) a //*[contains(@name=`btn`)]
    D. All of above

Correct Answer: D. All of above

Question 18

How many attributes are available for the By class for locating elements on a page?

    A. 8
    B. 7
    C. 6
    D. 5

Correct Answer: A. 8

Explanation:

There are total 8 locators in selenium which are as follows: ID, Name, Class Name, Tag Name, Link Text, Partial Link Text, CSS Selector, XPath.

Question 19

```
<input id="id-search-field" name="q" type="search" role="textbox" class="search-
field" placeholder="Search" value="" tabindex="1">
```

driver.find_elements ("id","id-seach-*")

What will be the above line of code output?

    A. []
    B. Will return an input web element
    C. Will throw a syntax error
    D. Will throw a NoSuchElementException

Correct Answer: A. []

Explanation:

Findelement method will throw you the exception named as NoSuchElementException, whereas findelements method will not show any exception.

Question 20

Which exception is shown in selenium when there is a delay in the loading time of the elements with which we are interacting?

    A. Not Visible Exception
    B. Element Not Visible Exception
    C. Load Time Exceeding Exception
    D. None of the above

Answer: B. Element Not Visible Exception

Explanation:The element Not Visible Exception is shown in selenium when there is a delay in the loading time of the elements with which we are interacting