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1. What is Selenium?
 It is a Open source tool for the Automation testing It is used to do the Automation testing for Web based application It supports different programming language like Java, Python C# It supports different web browsers like Google Chrome, Opera-mini, Microsoft Edge It can run at different Operating system like Window, Linux, Mac
2. How to download the chrome driver?
 Search chrome driver for selenium in the google chrome Download the chromedriver.exe based our current chrome version To know the current version of chromedriver.exe, Setting> About Chrome> Version name detail will available
3. How to launch the Browser?
System.setProperty("webdriver.chrome.driver","chromedriver.exe");
WebDriver driver=new ChromeDriver();
3. How to maximize the browser?

driver.manage().window().window().maximize();

4. How to minimize the browser...?

driver.manage().window().window().minimize();

5. What is sleep()..?

The sleep() is used to stop the execution of programme for the particular time.

Thread.sleep(4000);

- We should pass the time duration as argument to the sleep method.
- We have to call the sleep() method from Thread class
- The sleep() causes the **InterruptedException** exception
- We should manually throws the Exception in the method name
- Else we can handle it by using try-catch

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6. What is get()..?

The get() is used to hit the link in the browser.

driver.get("www.google.com");

We should pass the link value as argument in the method as String value.

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7. What is findElement()..?

- The findElement() method is used to find the single Web Element in the HTML webpage.
- We should pass the locators to the findElement() as a argument.

driver.findElement(By.locator("locator-value"));

driver.findElement(By.xpath("//*[@id=username]"))

8. What is findElements()..?

- The findElements() method is used to find the multiple Web Element in the HTML webpage.
- We should pass the locators to the findElement() as a argument.

driver.findElement(By.locator("locator-value"));

driver.findElements(By.xpath("//*[@id=username]"))

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9. What are the different between findElement() and findElements()..?

findElement() method:

- This command is used to access any single element on the web page
- It will return the object of the first matching element of the specified locator
- It will throw NoSuchElementException when it fails to identify the element

findElements() method:

- This command is used to uniquely identify the list of web elements within the web page.
- The usage of this method is very limited
- If the element doesn't exist on the page then, then it will return value with an empty list

10. What are the locators..?

- The locator is used to locate the web element in the HTML web page.
- The locator is classified into different types
 - 1. By ID
 - 2. By Name
 - 3. By Tag Name
 - 4. By Class name
 - 5. By Xpath
- 1. By ID: driver.findElement(By.id("JournalDev"));
- 2. By Name: driver.findElement(By.name("JournalDev"));
- 3. By Tag Name: driver.findElement(By.tagName("JournalDev"));
- 4. By Class Name: driver.findElement(By.className("JournalDev"));
- **5. By Xpath:** driver.findElement(By.xpath("JournalDev"));

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