How do we select what to be automated? Explain **At Mutual of America, I chose what to be automated based on how many steps I have to perform for the user story, if there are any repetitive steps, and to ultimately save time**  
What is Java? **Java is a coding language**   
What is class in Java? **A class in Java is** **a blueprint where individual objects are create**  
What is a method in Java? give example **A method is something you can call into your code to perform a specific command,**   
What is the difference between void and return method? Show one example of a reusable method either void or return… **The difference between a void and return method is that a return method will perform a command and return a value, void method will only perform a command**What is an array? Give an example of an array **An array is used to save multiple values to a variable**  
What is loop? Show a syntax of a loop **a loop allows us to execute a statement or set of statements multiple times**  
What is conditional statement? Show the syntax for a conditional statement **A conditional statement allows us to execute a code if it passes certain circumstances**  
What is split? Show a brief example.. **Split is used to separate using specific keywords**What is method overload? **When 2 or more methods have the same name but differ in parameters**  
what is exception in java? **An exception is an event that occurs when running a program when there are any issues that cause the program to stop**how many ways we can handle exceptions? **2 ways you can use are try-catch or try-with**How do I launch the browser using WebDriver? **Driver.manage.navigate.to(“url”)**  
What is the difference between absolute & relative xpath? **relative requires only the property name and value, absolute require the exact path including the root element**  
What is the difference between “/” and “//” in Xpath?**”/” is used for absolute path and “//” is used for relative path**  
what is xpath contains? **Contains is to locate a web element by a specific keyword/s**  
Let say I have a button which has a property value of title=myButton. Use xpath syntax to locate this element and click on it… **driver.findelement(By.xpath(“//\*[@title=’myButton’]”).click();**  
What is the difference between quit() vs close()? **Close will shutdown the current brower window that’s open, quit will shut down all browser windows and stop running all task that are going on in the background**  
What is ChromeOptions? **Arguments that can be set for the chrome browser such as incognito, headless mode, maximize window.. etc**  
Show syntax of how to capture a text from a web page… **driver.findelement(By.xpath(“//\*[xxxx]”).getText();**  
Show syntax of how to enter a string into a input/text field… **driver.findElement(By.xpath(xxx).sendkeys(xxx);**  
What is the difference between findElement vs findElements? **findElement is used to locate an element by property and value, findElements is used to locate an element using an index number.**  
How many ways can I select an element from a dropdown using select command? **You can select an element from a dropdown using an index number, from an arraylist, and**  
How can I store a locator into a variable? Show a syntax. Let say element name=abc… **To set a locator into a variable you need to set the driver.findElement equal to whatever variable you want, for example String car = driver.findElement**  
What is an arraylist? Give one example using Array list **An arraylist is a resizeable array which is dynamic by changing size depending on how many values ae stored inside it. Arraylist <String> cars = new Arraylist <>(); cars.add(mazda);**  
How do we switch between tabs? Just tell me the command for it **driver.switchTo().windows(tab.get());**  
What is Implicit vs Explicit wait? show syntax for both **explicit wait waits for a certain condition to occur to proceed, implicit wait waits a certain amount of time when trying to locate an element to proceed**  
How can i hover over an element? show syntax **actions.movetoElement(xxx).preform();**  
how can i click or type in a textbox using mouse movement? Explain **actions.moveToElement(xx).click().preform();**   
  
What are the annotations you have used in testNG? also briefly explain what is the purpose of using each ones **At Mutual of America is used testNG, the annotations I used were @beforesuite @beforemethod @test @ aftermethod and @aftersuite. The purpose of using these annotations was to organize and apple certain condition to certain test depending on what I tested. @beforesuite was used to set the driver, and chrome options before perforingthe tests.**  
How can I tell testNG to run @Test methods in sequence? basically how do i set the priority for @Test annotation in testNG **@test (priority = 1) , @test(priority = 2)**  
What is the purpose of creating a project as maven? **At Mutual of America** **Maven projects were very easy to use, build and manage when using selenium webdriver incorporated with java**  
How can we execute test cases using testNg? Show an example including the annotation **@test public void xxx (){ …. }**  
Show the expression of how to define the following properties in xpath if I want to use more than one property to identify an element. Href=“abcd123”, value=“myPayment” **driver.findElement(By.xpath(//\*[‘@Href=”abcd123” or @value=”myPayment”’]);**   
If I want to verify a page title from an webpage which assert command can I use? Show example **String actualTitle = driver.getTitle();**  
What is the difference between soft assert & hard assert? Show syntax for soft assert **Soft assert will move onto next command in test suite if assertion fails, hard assert will fail the test suite if assertion fails, softassret.assertEquals(xxx);**  
Let say I have an element which has property of  class=“navgroup” but there are multiple elements with same class name. I want to click on second element within that group so show me syntax of how can I locate the second element of that group **driver.findElements(by.xpath([]).get(1)**  
How can I get the count of multiple links within same class group? Show the full syntax.. **List<WebElement> linkCount = driver.findElements(By.xpath(xxx);**What is data driven testing in Automation? briefly explain how data driven concept is done using JXL(.xls) **At Mutual of America I used driven testing to preform smoke tesing on our application feature using dummy data that was imported from an excel sheet. .xls files from excel are used because they are the most compatible file type for data driven tesing using selenium.**  
What is javascriptExecutor? how can I scroll using JavascritpExecutor? show syntax for all scrolling **javascriptExecutor is used to scroll on a webpage. I used this to implement a back to the top button on Mutual of America webpage to help redirect users back to the top of the current webpage they were using. jse.executeScript("scroll(0,100)");**  
How can I scroll into an element? describe the process briefly **you have to first set the driver into the javascriptexecutor , then you use .executescript(scroll) to whatever the location of the element is to scroll to it**  
what is the benefit of using reusable methods from a class? **I used reusable method to reduce typing out certain commands repetively in my code and it makes accessing certain commands more easier**  
what is the difference between static and non staic method? **Static can be accesed by only static members, non static can be accessed by static and non static members**  
what is the process called when i call one method from a class to another class? **Class composition**how can I verify if a checkbox is selected or not? **boolean checkboxState = driver.findElement(By.xpath().isSelected();**what is boolean? give example **Boolean is a value that contains two choices, yes or no, 0 or 1, true or false**   
how can i execute multiple test classes as a suite using xml file in selenium? **You have to input the classes you want to test in the xml file by identify it’s location using package name and then class name**  
how can i perform cross browser testing using xml file in selenium? **You have to set 2 or more different tests in the xml file then set the parameter or each test with browser you want the test to be preformed using.**  
How can you handle windows based pop up? **You can use robot class to handle window based pop up**   
What is page object modal framework in selenium webdriver? **Page object model framework is used to separate your web element methods from your test method. It is used to make identifying your operations much easier when preforming tests.**

What is cucumber framework? Explain **Cucumber framework is an automation tool used to run tests written in a behavioral driven development style (BDD)**

How can I get a title of a page **At Mutual of America I used the syntax driver.getTitle(); to get the title of the page**

How can i delete all cookies from a page? what's the syntax for it? **To delete all cookie from the page I used the syntax driver.manage().deleteAllCookies();**

**Additional Questions(might or might not be covered in class so do some research)**  
What is constructor in java? **A constructor is a special method used to initialize objects**  
what is HashMap? look into an example of HashMap **Hash map is a has table based implementation of Java’s Map interface. It is an unordered collection**  
How can I extend one class to another class? what happens when i extend a class within another class?   
how can I capture a property value from an element? hint: not getText it is another method similar to that  
how do you get a current url from a page?hint: you can store the url in a variable and let say if you want to re navigate to that specific url then you can just pass the variable on your navigate command  
how can I upload a file on a page? hint: usually in some sites you might see an upload button that opens up another window to upload a file to be attached  
how can I locate an element using cssSelector? hint: best choice is by.Xpath but still look into by.cssSelector  
How do we click on a hyper link using linkText?  
how can you switch to a web page frame on a web page?  
What are the different types of frameworks?  
Can captcha be automated?**Yes you can if you decide to decode the image using OCR (Optical Character Recognition)**  
Can WebDriver test Mobile applications?  
what is appium mobile testing in Selenium?

What is **Jenkins** continuous integration with selenium. Look into it. It’s good to have basic knowledge on it