Selenium Mock Questions

1. Write a code to Launch chrome Browser

```
public class SeleniumTest {
    public static void main(String[] args) {
        WebDriver driver = new ChromeDriver();
    }
}
```

2. Write a code to Launch Firefox Browser

```
public class SeleniumTest {
public static void main(String[] args) {
          WebDriver driver = new FirefoxDriver();
}
```

3. Write a code to Launch IE Browser

```
public class SeleniumTest {
    public static void main(String[] args) {
        WebDriver driver = new InternetExplorerDriver();
    }
}
```

4. Write a code to Launch Edge Browser

```
public class SeleniumTest {
    public static void main(String[] args) {
        WebDriver driver = new EdgeDriver();
    }
}
```

5. Write a code to Enter URL

```
public class SeleniumTest {
    public static void main(String[] args) {
        WebDriver driver = new ChromeDriver();
        driver.get("https://www.facebook.com/");
    }
}
```

6. Write a code to maximize window

```
public class SeleniumTest {
    public static void main(String[] args) {
        WebDriver driver = new ChromeDriver();
        driver.get("https://www.facebook.com/");
        driver.manage().window().maximize();
    }
}
```

7. Write a code to insert value in textbox

```
public class SeleniumTest {
    public static void main(String[] args) {
        WebDriver driver = new ChromeDriver();
        driver.get("https://www.facebook.com/");
        driver.manage().window().maximize();
        WebElement txtUsername = driver.findElement(By.id("email"));
        txtUsername.sendKeys("userName123");
    }
}
```

8. Write a code to click button

```
public class SeleniumTest {
    public static void main(String[] args) {
        WebDriver driver = new ChromeDriver();
        driver.get("https://www.facebook.com/");
        driver.manage().window().maximize();
        WebElement btnLogin = driver.findElement(By.xpath("//button[text()='Log in']"));
        btnLogin.click();
    }
}
```

9. Write a code to click ok in alert

```
public class SeleniumTest {
    public static void main(String[] args) {
        WebDriver driver = new ChromeDriver();
        driver.get("http://demo.automationtesting.in/Alerts.html");
        driver.manage().window().maximize();
        WebElement btnAlert = driver.findElement(By.xpath("//button[@class='btn btn-danger']"));
        btnAlert.click();
        driver.switchTo().alert().accept();
    }
}
```

10. Write a code to click cancel in alert box

```
public class SeleniumTest {
    public static void main(String[] args) {
        WebDriver driver = new ChromeDriver();
        driver.get("http://demo.automationtesting.in/Alerts.html");
        driver.manage().window().maximize();
        WebElement btnAlertCancel = driver.findElement(By.xpath("//a[text()='Alert with OK & Cancel ']"));
        btnAlertCancel.click();
        WebElement btnAlert = driver.findElement(By.xpath("//button[@class='btn btn-primary']"));
        btnAlert.click();
        driver.switchTo().alert().dismiss();
}
```

11. Write a code to get the text from webpage

```
public class SeleniumTest {
    public static void main(String[] args) {
        WebDriver driver = new ChromeDriver();
        driver.get("https://www.facebook.com/");
        driver.manage().window().maximize();
        WebElement textForgottenPassword = driver.findElement(By.xpath("//a[contains(text(),'Forg')]"));
        String text = textForgottenPassword.getText();
        System.out.println(text);
    }
}
```

12. Write a code to Get the Inserted value from textbox

```
public class SeleniumTest {
    public static void main(String[] args) {
        WebDriver driver = new ChromeDriver();
        driver.get("https://www.facebook.com/");
        driver.manage().window().maximize();
        WebElement txtUsername = driver.findElement(By.id("email"));
        txtUsername.sendKeys("userName");
        String attribute = txtUsername.getAttribute("value");
        System.out.println(attribute);
}
```

13. Write a code to close window

```
public class SeleniumTest {
    public static void main(String[] args) {
        WebDriver driver = new ChromeDriver();
        driver.get("https://www.facebook.com/");
        driver.manage().window().maximize();
        driver.close();
    }
}
```

14. Write a code to get the title

```
public class SeleniumTest {
    public static void main(String[] args) {
        WebDriver driver = new ChromeDriver();
        driver.get("https://www.facebook.com/");
        driver.manage().window().maximize();
        String title = driver.getTitle();
        System.out.println(title);
    }
}
```

15. Write a code to Get the entered URL

```
public class SeleniumTest {
   public static void main(String[] args) {
      WebDriver driver = new ChromeDriver();
      driver.get("https://www.facebook.com/");
      driver.manage().window().maximize();
      String currentUrl = driver.getCurrentUrl();
      System.out.println(currentUrl);
   }
}
```

Write a code to select dropdown option by text

```
public class SeleniumTest {
    public static void main(String[] args) {
        WebDriver driver = new ChromeDriver();
        driver.get("https://www.facebook.com/");
        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(30));
        WebElement btnCreateAccount = driver.findElement(By.xpath("//a[text()='Create new account']"));
        btnCreateAccount.click();
        WebElement ddnMonth = driver.findElement(By.id("month"));
        Select select = new Select(ddnMonth);
        select.selectByVisibleText("Jan");
}
```

17. Write a code to Select dropdown option by attribute

```
public class SeleniumTest {
    public static void main(String[] args) {
        WebDriver driver = new ChromeDriver();
        driver.get("https://www.facebook.com/");
        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(30));
        WebElement btnCreateAccount = driver.findElement(By.xpath("//a[text()='Create new account']"));
        btnCreateAccount.click();
        WebElement ddnMonth = driver.findElement(By.id("month"));
        Select select = new Select(ddnMonth);
        select.selectByValue("4");
}
```

18. Write a code to Select dropdown option by index

```
public class SeleniumTest {
    public static void main(String[] args) {
        WebDriver driver = new ChromeDriver();
        driver.get("https://www.facebook.com/");
        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(30));
        WebElement btnCreateAccount = driver.findElement(By.xpath("//a[text()='Create new account']"));
        btnCreateAccount.click();
        WebElement ddnMonth = driver.findElement(By.id("month"));
        Select select = new Select(ddnMonth);
        select.selectByIndex(2);
}
```

Write a code to Insert value in textbox by java script

```
public class SeleniumTest {
    public static void main(String[] args) {
        WebDriver driver = new ChromeDriver();
        driver.get("https://www.facebook.com/");
        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(30));
        WebElement txtUserName = driver.findElement(By.id("email"));
        JavascriptExecutor js = (JavascriptExecutor) driver;
        js.executeScript("arguments[0].setAttribute('value', 'userName')", txtUserName);
    }
}
```

20. Write a code to Click button by java script

```
public class SeleniumTest {
    public static void main(String[] args) {
        WebDriver driver = new ChromeDriver();
        driver.get("https://www.facebook.com/");
        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(30));
        WebElement btnLogin = driver.findElement(By.xpath("//button[text()='Log in']"));
        JavascriptExecutor js = (JavascriptExecutor) driver;
        js.executeScript("arguments[0].click()", btnLogin);
}
```

21. Write a code to Switch to Child window

```
public class SeleniumTest {
    public static void main(String[] args) {
        WebDriver driver = new ChromeDriver();
         driver.get("https://www.flipkart.com/");
         driver.manage().window().maximize();
         driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(30));
        WebElement txtSearchProduct = driver.findElement(By.xpath("//input[contains(@title,'Search')]"));
txtSearchProduct.sendKeys("iphone 15", Keys.ENTER);
         WebElement btnIphone = driver.findElement(By.xpath("//div[text()='Apple iPhone 15 (Black, 128 GB)']"));
         btnIphone.click();
         String currentWindow = driver.getWindowHandle();
         Set<String> allWindow = driver.getWindowHandles();
         for (String string : allWindow) {
             if (!currentWindow.equals(string)) {
                 driver.switchTo().window(string);
         }
    }
}
```

22. Write a code to Switch to frame by index

```
public class SeleniumTest {
    public static void main(String[] args) {
        WebDriver driver = new ChromeDriver();
        driver.get("https://netbanking.hdfcbank.com/netbanking");
        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(30));
        driver.switchTo().frame(0);
        WebElement txtusername = driver.findElement(By.xpath("//input[contains(@class,'form')]"));
        txtusername.sendKeys("userName");
    }
}
```

23. Write a code to Switch to frame by frame Id/name

```
public class SeleniumTest {
    public static void main(String[] args) {
        WebDriver driver = new ChromeDriver();
        driver.get("https://netbanking.hdfcbank.com/netbanking");
        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(30));
        driver.switchTo().frame("login_page");
        WebElement txtusername = driver.findElement(By.xpath("//input[contains(@class,'form')]"));
        txtusername.sendKeys("userName");
    }
}
```

24. Write a code to Switch to frame by WebElement

```
public class SeleniumTest {
    public static void main(String[] args) {
        WebDriver driver = new ChromeDriver();
        driver.get("https://netbanking.hdfcbank.com/netbanking");
        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(30));
        WebElement frameLogin = driver.findElement(By.xpath("//frame[@name='login_page']"));
        driver.switchTo().frame(frameLogin);
        WebElement txtusername = driver.findElement(By.xpath("//input[contains(@class,'form')]"));
        txtusername.sendKeys("userName");
}
```

25. Write a code to Find locator by Id

```
public class SeleniumTest {
    public static void main(String[] args) {
        WebDriver driver = new ChromeDriver();
        driver.get("https://www.facebook.com/");
        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(30));
        WebElement txtUserName = driver.findElement(By.id("email"));
    }
}
```

26. Write a code to Switch to Find Locator by name

```
public class SeleniumTest {
    public static void main(String[] args) {
        WebDriver driver = new ChromeDriver();
        driver.get("https://www.facebook.com/");
        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(30));
        WebElement txtUserName = driver.findElement(By.name("email"));
    }
}
```

27. Write a code to Find Locator by className

```
public class SeleniumTest {
    public static void main(String[] args) {
        WebDriver driver = new ChromeDriver();
        driver.get("https://www.facebook.com/");
        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(30));
        WebElement txtUserName = driver.findElement(By.className("inputtext _55r1 _6luy"));
    }
}
```

28. Write a code to Find Locator by xpath

```
public class SeleniumTest {
    public static void main(String[] args) {
        WebDriver driver = new ChromeDriver();
        driver.get("https://www.facebook.com/");
        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(30));
        WebElement txtUserName = driver.findElement(By.xpath("//input[@id='email']"));
    }
}
```

Write a code to Get all options from dropdown as text

```
public class SeleniumTest {
    public static void main(String[] args) {
       WebDriver driver = new ChromeDriver();
        driver.get("https://www.facebook.com/");
        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(30));
        WebElement btnCreateNewAccount = driver.findElement(By.xpath("//a[text()='Create new account']"));
        btnCreateNewAccount.click();
        WebElement ddnMonth = driver.findElement(By.id("month"));
        Select select = new Select(ddnMonth);
        List<WebElement> options = select.getOptions();
        for (int i = 0; i < options.size(); i++) +</pre>
            WebElement webElement = options.get(i);
            String text = webElement.getText();
            System.out.println(text);
    }
}
```

30. Write a code to Get all options from dropdown as value

```
public class SeleniumTest {
    public static void main(String[] args) {
        WebDriver driver = new ChromeDriver();
        driver.get("https://www.facebook.com/");
        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(30));
        WebElement btnCreateNewAccount = driver.findElement(By.xpath("//a[text()='Create new account']"));
        btnCreateNewAccount.click();
        WebElement ddnMonth = driver.findElement(By.id("month"));
        Select select = new Select(ddnMonth);
        List<WebElement> options = select.getOptions();
        for (int i = 0; i < options.size(); i++) {</pre>
            WebElement webElement = options.get(i);
            String text = webElement.getAttribute("value");
            System.out.println(text);
        }
    }
}
```

31. Write a code to Get the First selected option text in dropdown

```
public class SeleniumTest {
    public static void main(String[] args) {
        WebDriver driver = new ChromeDriver();
        driver.get("https://www.facebook.com/");
        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(30));
        WebElement btnCreateNewAccount = driver.findElement(By.xpath("//a[text()='Create new account']"));
        btnCreateNewAccount.click();
        WebElement ddnMonth = driver.findElement(By.id("month"));
        Select select = new Select(ddnMonth);
        select.selectByIndex(0);
        WebElement firstSelectedOption = select.getFirstSelectedOption();
        String text = firstSelectedOption.getText();
        System.out.println(text);
}
```

32. Write a code to Verify in dropdown is multi select option?

```
public class SeleniumTest {
    public static void main(String[] args) {
        WebDriver driver = new ChromeDriver();
        driver.get("https://demoqa.com/select-menu");
        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(30));
        WebElement ddnCars = driver.findElement(By.id("cars"));
        Select select = new Select(ddnCars);
        boolean multiple = select.isMultiple();
        System.out.println(multiple);
    }
}
```

33. Write a code to Implicit wait

```
public class SeleniumTest {
   public static void main(String[] args) {
      WebDriver driver = new ChromeDriver();
      driver.get("https://demoqa.com/select-menu");
      driver.manage().window().maximize();
      driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(30));
   }
}
```

34. Write a code to Explicit Wait for visibilityOf

```
public class SeleniumTest {
    public static void main(String[] args) {
        WebDriver driver = new ChromeDriver();
        driver.get("https://www.facebook.com/");
        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(30));
        WebElement btnLogin = driver.findElement(By.xpath("//button[text()='Log in']"));
        WebDriverWait driverWait = new WebDriverWait(driver, Duration.ofSeconds(30));
        driverWait.until(ExpectedConditions.visibilityOf(btnLogin));
}
```

35. Write a code to verify isDisplayed?

```
public class SeleniumTest {
    public static void main(String[] args) {
        WebDriver driver = new ChromeDriver();
        driver.get("https://www.facebook.com/");
        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(30));
        WebElement btnLogin = driver.findElement(By.xpath("//button[text()='Log in']"));
        boolean displayed = btnLogin.isDisplayed();
        System.out.println(displayed);
}
```

36. Write a code to Verify is Enabled?

```
public class SeleniumTest {
    public static void main(String[] args) {
        WebDriver driver = new ChromeDriver();
        driver.get("https://www.facebook.com/");
        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(30));
        WebElement btnLogin = driver.findElement(By.xpath("//button[text()='Log in']"));
        boolean enabled = btnLogin.isEnabled();
        System.out.println(enabled);
}
```

37. Write a code to Verify isSelected?

```
public class SeleniumTest {
   public static void main(String[] args) {
      WebDriver driver = new ChromeDriver();
      driver.get("https://www.facebook.com/");
      driver.manage().window().maximize();
      driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(30));
      WebElement btnLogin = driver.findElement(By.xpath("//button[text()='Log in']"));
      boolean selected = btnLogin.isSelected();
      System.out.println(selected);
}
```

38. Write a code to de-select option by index in dropdown

```
public class SeleniumTest {
    public static void main(String[] args) {
        WebDriver driver = new ChromeDriver();
        driver.get("https://demoqa.com/select-menu");
        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(30));
        WebElement ddnCars = driver.findElement(By.id("cars"));
        Select select = new Select(ddnCars);
        select.selectByVisibleText("Volvo");
        select.deselectByIndex(0);
    }
}
```

39. Write a code to de-select option by text in dropdown

```
public class SeleniumTest {
    public static void main(String[] args) {
        WebDriver driver = new ChromeDriver();
        driver.get("https://demoqa.com/select-menu");
        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(30));
        WebElement ddnCars = driver.findElement(By.id("cars"));
        Select select = new Select(ddnCars);
        select.selectByVisibleText("Volvo");
        select.deselectByVisibleText("Volvo");
}
```

40. Write a code to de-select option by value in dropdown

```
public class SeleniumTest {
    public static void main(String[] args) {
        WebDriver driver = new ChromeDriver();
        driver.get("https://demoqa.com/select-menu");
        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(30));
        WebElement ddnCars = driver.findElement(By.id("cars"));
        Select select = new Select(ddnCars);
        select.selectByVisibleText("Volvo");
        select.deselectByValue("volvo");
}
```

41. Write a code to de-select all selected options

```
public class SeleniumTest {
   public static void main(String[] args) {
      WebDriver driver = new ChromeDriver();
      driver.get("https://demoqa.com/select-menu");
      driver.manage().window().maximize();
      driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(30));
      WebElement ddnCars = driver.findElement(By.id("cars"));
      Select select = new Select(ddnCars);
      List<WebElement> options = select.getOptions();
      for (int i = 0; i < options.size(); i++) {
            select.selectByIndex(i);
      }
      select.deselectAll();
}</pre>
```

42. Write a code to Clear values text Box

```
public class SeleniumTest {
   public static void main(String[] args) {
      WebDriver driver = new ChromeDriver();
      driver.get("https://www.facebook.com/");
      driver.manage().window().maximize();
      driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(30));
      WebElement txtEmail = driver.findElement(By.id("email"));
      txtEmail.sendKeys("userName");
      txtEmail.clear();
   }
}
```

43. Write a code to TakeScreenshot

```
public class SeleniumTest {
    public static void main(String[] args) throws IOException {
        WebDriver driver = new ChromeDriver();
        driver.get("https://www.facebook.com/");
        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(30));
        File file = new File("C:\\Users\\hp\\eclipse-workspace\\SeleniumTest\\Screenshot\\sample.png");
        TakesScreenshot screenshot = (TakesScreenshot) driver;
        File srcFile = screenshot.getScreenshotAs(OutputType.FILE);
        FileUtils.copyFile(srcFile, file);
}
```

44. Write a code to TakeScreenshot for Element

```
public class SeleniumTest {
    public static void main(String[] args) throws IOException {
        WebDriver driver = new ChromeDriver();
        driver.get("https://www.facebook.com/");
        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(30));
        File file = new File("C:\\Users\\hp\\eclipse-workspace\\SeleniumTest\\Screenshot\\sample.png");
        WebElement btnLogin = driver.findElement(By.xpath("//button[text()='Log in']"));
        File srcFile = btnLogin.getScreenshotAs(OutputType.FILE);
        FileUtils.copyFile(srcFile, file);
}
```

45. Write a code to MouseOverAction for single option

```
public class SeleniumTest {
    public static void main(String[] args) throws IOException {
        WebDriver driver = new ChromeDriver();
        driver.get("https://www.flipkart.com/");
        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(30));
        WebElement btnLogin = driver.findElement(By.xpath("//span[text()='Login']/parent::a/parent::div"));
        Actions actions = new Actions(driver);
        actions.moveToElement(btnLogin).perform();
    }
}
```

46. Write a code to DragAndDrop

```
public class SeleniumTest {
    public static void main(String[] args) throws IOException {
        WebDriver driver = new ChromeDriver();
        driver.get("http://demo.guru99.com/test/drag_drop.html ");
        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(30));
        WebElement dragElement = driver.findElement(By.xpath("//a[text()=' BANK ']"));
        WebElement dropElement = driver.findElement(By.xpath("//li[@class='placeholder']//parent::ol[@id='bank']"));
        Actions actions = new Actions(driver);
        actions.dragAndDrop(dragElement, dropElement).perform();
}
```

47. Write a code to RightClick

```
public class SeleniumTest {
    public static void main(String[] args) throws IOException {
        WebDriver driver = new ChromeDriver();
        driver.get("https://www.facebook.com/");
        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(30));
        Actions actions = new Actions(driver);
        actions.contextClick().perform();
    }
}
```

48. Write a code to DoubleClick

```
public class SeleniumTest {
    public static void main(String[] args) throws IOException {
        WebDriver driver = new ChromeDriver();
        driver.get("https://demo.guru99.com/test/simple_context_menu.html");
        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(30));
        WebElement btnDoubleClick = driver.findElement(By.xpath("//button[text()='Double-Click Me To See Alert']"));
        Actions actions = new Actions(driver);
        actions.doubleClick(btnDoubleClick).perform();
}
```

49. Write a code tolnsert value in textBox and Enter

```
public class SeleniumTest {
    public static void main(String[] args) throws IOException {
        WebDriver driver = new ChromeDriver();
        driver.get("https://www.facebook.com/");
        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(30));
        WebElement txtEmail = driver.findElement(By.id("email"));
        txtEmail.sendKeys("userName", Keys.ENTER);
    }
}
```

50. Write a code for navigation commands (to,forward,backward,refresh)

```
public class SeleniumTest {
    public static void main(String[] args) throws IOException {
        WebDriver driver = new ChromeDriver();
        driver.get("https://www.facebook.com/");
        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(30));
        WebElement btnForgotPassword = driver.findElement(By.xpath("//a[text()='Forgotten password?']"));
        btnForgotPassword.click();
        driver.navigate().back();
        driver.navigate().forward();
        driver.navigate().refresh();
        driver.navigate().to("https://www.flipkart.com/");
    }
}
```

51. Write a code for page scroll down/up

```
public class SeleniumTest {
    public static void main(String[] args) throws IOException {
        WebDriver driver = new ChromeDriver();
        driver.get("https://www.flipkart.com/");
        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(30));
        WebElement down = driver.findElement(By.xpath("//div[text()='Bestsellers On Fashion']"));
        JavascriptExecutor js = (JavascriptExecutor) driver;
        js.executeScript("arguments[0].scrollIntoView(true)", down);
        WebElement up = driver.findElement(By.xpath("//span[text()='Mobiles & Tablets']"));
        js.executeScript("arguments[0].scrollIntoView(false)", up);
}
```