

30. What is Selenium Framework?

- It is a code structure that helps to make code maintenance easy, code readability and code reuse.
- There are mainly 3 type of frameworks created by Selenium WebDriver to automate test cases:

Data Driven Framework

- It is one of the most popular automation frameworks in the market
- All of our test data is generated from some external files;
 - excel
 - or scenario outline in feature file
 - or TestNG Data Provider
- Selenium WebDriver is a great tool to automate web-based applications. But it does not support read and write operations on excel files. Therefore, we use third party APIs like **Apache POI**

Keyword Driven Framework

- Keyword driven testing is a scripting technique that uses data files to contain the keywords related to the application being tested.
- Keywords are written in some external files like excel file and Java code will call this file and execute test cases.

HybridDriven Framework

- A combination of the DDF and KDF is commonly said to be HDF.
- Both the test data and test action are kept in external files.

31. How did you use overloaded Methods in Selenium?

- When asserting if two values are equal, I use → `Assert.assertEquals(actual, Expected)` from TestNG
- You can put in the parameters String, Objects, int, boolean values

32. Why we get NoSuchElementException?

- Check if locator is correct
- Check if timing is correct
- Check if element is hidden inside an iframe

33. How you handle js alerts?

- If the alert on the browser comes from JavaScript, we use the Alert class.

```
Alert alert = driver.switchTo().alert();
alert.accept();
alert.dismiss();
alert.sendKeys();
alert.getText()
```

34. How to handle multiple frames?

- If there are 4 frames, you have to go through each from consecutively to reach certain frame. Can't jump to the 3rd frame from 1st frame.

35. What is the difference between driver.get() and driver.navigateto() ?

- `driver.get()` → To open an URL and it will wait till the whole page gets loaded
- `driver.navigateto()` → To navigate to an URL and it will not wait till the whole page get loaded