

## Intellect Interview Questions

### 1. Explain about TestNG?

#### TestNG

- TestNG is a framework, it is an advance of Junit
- TestNG (NG - New Generation), we can overcome all the disadvantages of Junit by using TestNG
- TestNG has various class, interface and methods

#### Advantages

- Order is possible, i.e. we can prioritize tests by using priority attribute
- It will give default reports like html, xml format
- Cross browser testing and Parallel browser execution is possible
- Less configuration
- We can control execution by using annotations

### 2. Difference between interface and abstract class.?

#### Abstract class:

- It is partially abstraction
- It support both abstract method and non-abstract method
- Its using "extends" keyword
- Here "public abstract" have to mention
- We can use whatever access specifier we want

#### Interface:

- It is fully abstraction
- It support only abstract method
- It's using "implement" keyword
- "Public Abstract" is default. no need to mention
- Here only use public( access specifier)

### 3. .Parellel test execution on TestNG.?

- Browsers will open almost simultaneously and your test will run in parallel.
- Now just set the '**parallel**' attribute to '**tests**' in the xml

### 4. How will you upload a file?

Using robot class or autoit we can upload a file.

#### Robot class:

```
public static void uploadFiles(File path) {  
    try {
```

```

Robot robot = new Robot();
robot.setAutoDelay(3000);
StringSelection selection = new StringSelection(
    path.getAbsolutePath());
Toolkit.getDefaultToolkit().getSystemClipboard()
    .setContents(selection, null);

// press ctrl+v
robot.keyPress(KeyEvent.VK_CONTROL);
robot.keyPress(KeyEvent.VK_V);
robot.setAutoDelay(3000);
// release ctrl+v
robot.keyRelease(KeyEvent.VK_CONTROL);
robot.keyRelease(KeyEvent.VK_V);
// press enter
robot.setAutoDelay(3000);
robot.keyPress(KeyEvent.VK_ENTER);
robot.keyRelease(KeyEvent.VK_ENTER);

    } catch (AWTException e) {

        e.printStackTrace();
    }

}

```

## 5. Explain about Autoit?

- Selenium is an open source tool that is designed to automate web-based applications on different browsers but to handle window GUI and non HTML popups in application. AutoIT is required as these window based activity are not handled by Selenium.
- AutoIt v3 is also freeware. It uses a combination of mouse movement, keystrokes and window control manipulation to automate a task which is not possible by selenium webdriver.
- Moving ahead we will learn how to upload a file in selenium web driver using autoIT.

Here we need three tools in order to this.

1. Selenium Webdriver
2. AutoIT editor and element identifier
3. The window that you want to automate

## 6. Explain about Collections?

Why we go for collections:

- It will support dissimilar data types.
- It is dynamic memory allocation
- No memory wastage like array

It has 3 types,

1. List
2. Set
3. Map

## 7. What is iterator and list iterator?

- We can traverse in only forward direction using **Iterator**. Using **ListIterator**, we can traverse a List in both the directions (forward and Backward).
- We can obtain indexes at any point of time while traversing a list using **ListIterator**. The methods `nextIndex()` and `previousIndex()` are used for this purpose.
- We can use **Iterator** to traverse Set and List and also Map type of Objects. While a **ListIterator** can be used to traverse for List-type Objects, but not for Set-type of Objects.