SYNTAX TECHNOLOGIES

Selenium

Class 12

Agenda

Properties File in Java

What is a Properties file in Java

Properties files are mainly used in Java programs to maintain project configuration data, database config or project settings etc.

Properties files stores simple parameters as key-value pairs, outside of compiled code. Key and Values are separated using = sign.
Example:

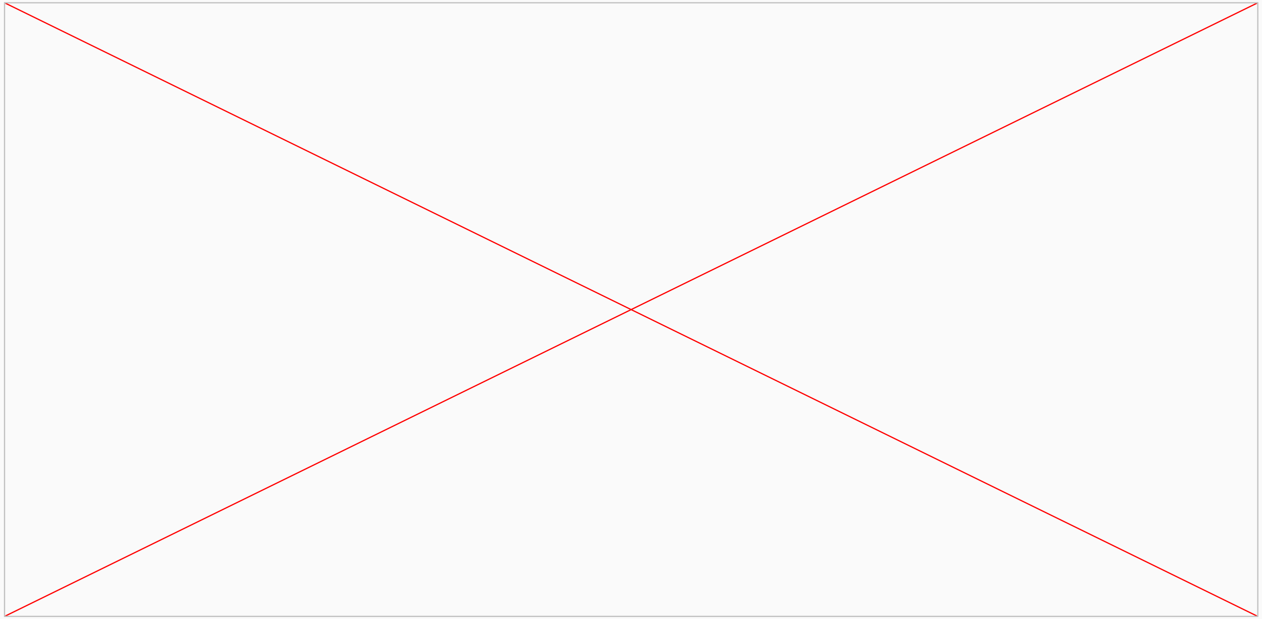
Key=Value or **Key:Value**
School=Syntax

We can easily read properties from some file using object of type Properties. This is a utility provided by Java itself.

java.util.Properties;

If any information is changed from the properties file, we don't need to recompile the java class. In other words, the advantage of using properties file is we can configure things which are prone to change over a period of time without need of changing anything in code.

How to create Properties file in Java



1. Create a **New Folder** and name it as **configs**, by right click on the root Project and select **New >> Folder**. We will be keeping all the config files with in the same folder.
2. Create a **New File** by right click on the above created folder and select **New >> File**.
3. Give the file name and give the extension as **.properties**. In our case we name it as **Credentials.properties**

How to Read Property File

1. // Create Object of Properties Class to access the property file.

   ```
   Properties obj = new Properties();
   ```

1. // Create Object of FileInputStream Class. Pass file path.

   ```
   FileInputStream fis = new
   FileInputStream(System.getProperty("user.dir") +
           "/configs/Credentials.properties");
   ```

1. // Pass object reference fis to load method of Properties object.

   ```
   obj.load(objfile);
   ```

1. // Accessing element locators of all web elements using
   obj.getProperty(key);

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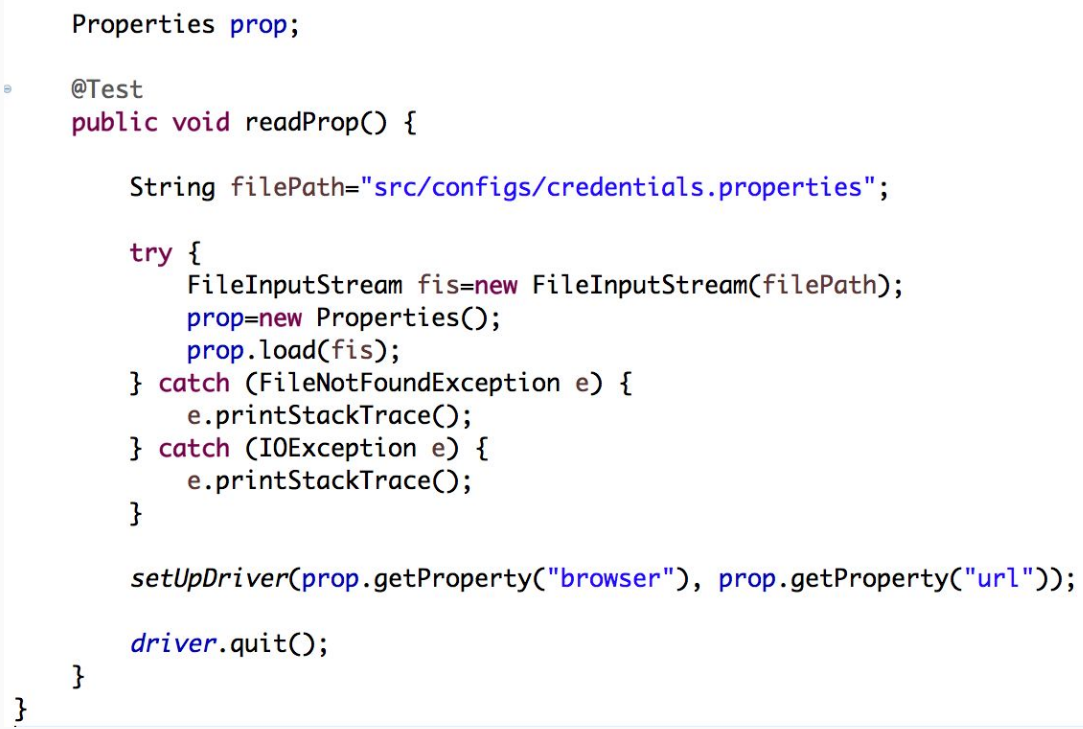
Property File



```
    Properties prop;

    @Test
    public void readProp() {

        String filePath="src/configs/credentials.properties";

        try {
            FileInputStream fis=new FileInputStream(filePath);
            prop=new Properties();
            prop.load(fis);
        } catch (FileNotFoundException e) {
            e.printStackTrace();
        } catch (IOException e) {
            e.printStackTrace();
        }

        setUpDriver(prop.getProperty("browser"), prop.getProperty("url"));

        driver.quit();
    }
}
```

Test Case

TC 1: OrangeHRM Login

1. Navigate to “https://opensource-demo.orangehrmlive.com/”
2. Login to the application
3. Verify user is successfully logged in

Note: must use properties file