

## Parameterization or Fetching data from excel sheet

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- In testing, it is always important to test application features with different sets of data.
- When we are doing a login test, it is extremely important to test with all possible valid and invalid credentials to ensure login functionality is working as expected.
- For fetching data from excel sheet we required “apache poi” library and java, we didn’t require selenium for this.

### Syntax for parameterization

// 1. Need to save the path of excel sheet inside string

```
String path = "Path of excel sheet";
```

```
/Users/amitparate/Desktop/Amit workspace/testing_class/for_ss/For_testing.xlsx
```

// 2. Need to create an object of FileInputStream class

```
FileInputStream excel = new FileInputStream(path);
```

// 3. Call the WorkbookFactory class having various methods to read the excel sheet

```
String value = WorkbookFactory.create(excel).getSheet("sheet name").getRow(row index value).getCell(column index value).getStringCellValue();
```

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E.x

```
package Testing_Package;
```

```
import java.io.FileInputStream;
```

```
import java.io.IOException;
```

```
import org.apache.poi.EncryptedDocumentException;
```

```
import org.apache.poi.ss.usermodel.WorkbookFactory;
```

```
public class subclass {  
  
    public static void main(String[] args) throws EncryptedDocumentException, IOException {  
  
        // store the path of excel sheet in string reference  
  
        String path = "/Users/amitparate/Desktop/Amit workspace/testing_class/for_ss/For_testing.xlsx";  
  
        // need to create an object of FileInputStream class  
  
        FileInputStream excel = new FileInputStream(path);  
  
        // Call the WorkbookFactory class having various methods to access the excel sheet  
  
        String value =  
        WorkbookFactory.create(excel).getSheet("Sheet1").getRow(3).getCell(1).getStringCellValue();  
  
        System.out.println(value);  
    }  
}
```