

```
1 package excel.dataProvider;
2
3 import org.apache.poi.ss.usermodel.Cell;
4 import org.testng.annotations.DataProvider;
5
6 import java.io.FileInputStream;
7 import java.io.IOException;
8
9 import org.apache.poi.xssf.usermodel.XSSFRow;
10 import org.apache.poi.xssf.usermodel.XSSFSheet;
11 import org.apache.poi.xssf.usermodel.XSSFWorkbook;
12
13
14 public class ExcelDataProvider {
15
16     @DataProvider(name = "excelData")
17     public Object[][] excelDataProvider() throws IOException {
18
19         // We are creating an object from the excel sheet data by calling a method that
20         // reads data from the excel stored locally in our system
21         Object[][] arrObj = getExcelData("./TestData/SearchInBing.xlsx", "Sheet1");
22         return arrObj;
23     }
24
25     // This method handles the excel - opens it and reads the data from the
26     // respective cells using a for-loop & returns it in the form of a string array
27     public String[][] getExcelData(String fileName, String sheetName) throws IOException {
28         String[][] data = null;
29         try {
30
31             FileInputStream fis = new FileInputStream(fileName);
32             XSSFWorkbook workbook = new XSSFWorkbook(fis);
33             XSSFSheet sheet = workbook.getSheet(sheetName);
34             XSSFRow row = sheet.getRow(0);
35             int noOfRows = sheet.getPhysicalNumberOfRows();
36             int noOfCols = row.getLastCellNum();
37             Cell cell;
38             data = new String[noOfRows - 1][noOfCols];
39
40             for (int i = 1; i < noOfRows; i++) {
41                 for (int j = 0; j < noOfCols; j++) {
42                     row = sheet.getRow(i);
43                     cell = row.getCell(j);
44                     data[i - 1][j] = cell.getStringCellValue();
45                 }
46             }
47         } catch (Exception e) {
48             System.out.println("The exception is: " + e.getMessage());
49         }
50         return data;
51     }
52
53 }
54
```