**Interview questions on reading and writing data to Excel:**

**What API did you use to read data from excel?**

Apache POI API.

**What dependencies you need to run the Apache POI tests from Maven?**

poi-ooxml and poi

**Can you briefly explain the steps involved in reading data from an excel file?**

Steps:

* Create object for XSSFWorkbook class
* Get access to sheet
* Get access to all rows of sheet
* Access to specific row from all rows
* Get access to all cells of Row
* Access the data from cells into Arrays

**How do you create an object for XSSFWorkbook class?**

First we need to get the excel file into a FileInputSteam object. Then we can create an object of XSSFWorkbook using that.

FileInputStream fis = **new** FileInputStream("./data/data.xlsx");

XSSFWorkbook workbook = **new** XSSFWorkbook(fis);

**How do you get access to the sheet?**

XSSFSheet sheet = workbook.getSheet("testdata");

**How do you get a particular row?**

Row row = sheet.getRow(1);

**How do you get a particular cell?**

Cell cell = row.getCell(1);

**How do you write data to an excel sheet?**

//Create a blank workbook

XSSFWorkbook workbook = **new** XSSFWorkbook();

//Create a blank sheet

XSSFSheet spreadsheet = workbook.createSheet("Results");

//Create row

XSSFRow row = spreadsheet.createRow(0);

//Create a cell

Cell cell0 = row.createCell(0);

cell0.setCellValue("DB Test");

Cell cell1 = row.createCell(1);

cell1.setCellValue("Pass");

Cell cell2 = row.createCell(2);

cell2.setCellValue("UI Test");

Cell cell3 = row.createCell(3);

cell3.setCellValue("Pass");

FileOutputStream out = **new** FileOutputStream(**new** File("./data/testresults.xlsx"));

workbook.write(out);

out.close();

workbook.close();