

Task 13

Question 1,2 3,4: Create a new Excel workbook, with sheet1 and write data to the excel file.

Output:

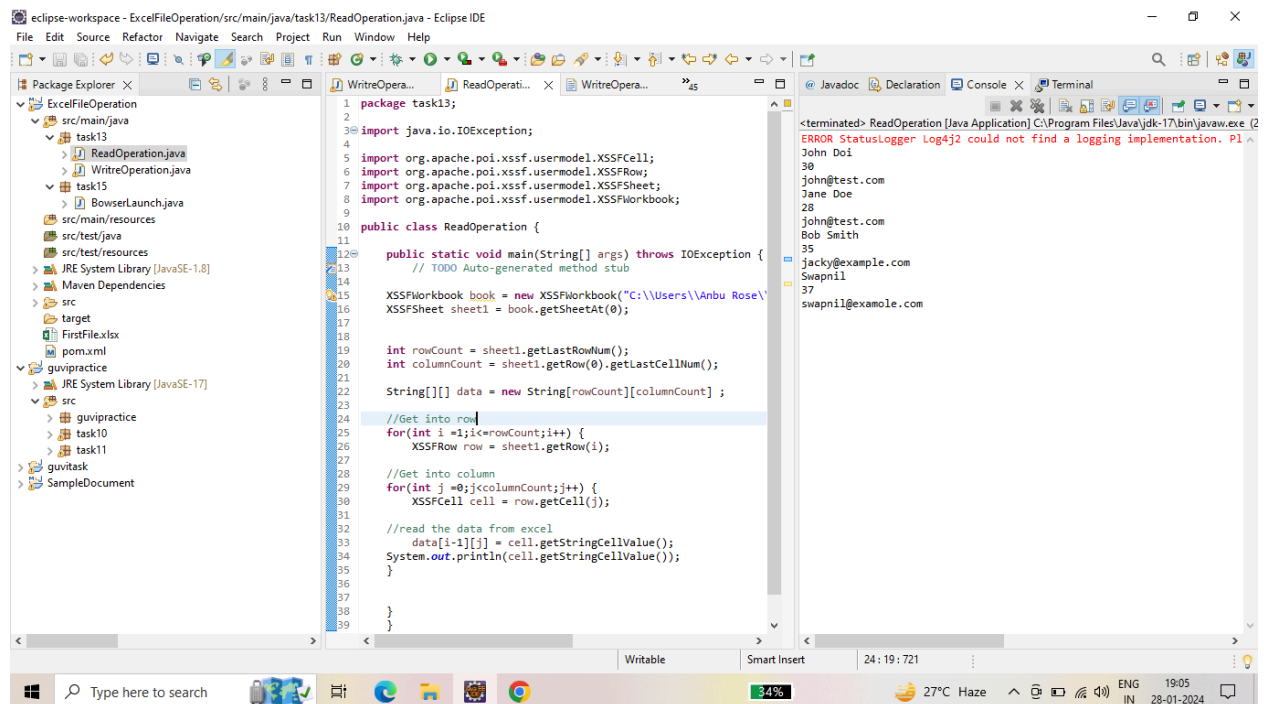
The screenshot shows the Microsoft Excel interface. The title bar reads 'FirstFile - Excel'. The ribbon is set to 'HOME'. The formula bar shows 'A1'. The worksheet 'Sheet1' is active. The data is as follows:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	Name	Age	Email																
2	John Doe	30	john@test.com																
3	Jane Doe	28	john@test.com																
4	Bob Smith	35	jacky@example.com																
5	Swapnil	37	swapnil@examole.com																
6																			
7																			
8																			
9																			
10																			
11																			
12																			
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15																			
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17																			
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19																			
20																			
21																			
22																			
23																			

The status bar at the bottom shows 'READY', 'COUNT: 15', and '44%' battery. The taskbar includes the Windows logo, search bar, and various application icons. The system tray shows '27°C Haze', 'ENG IN', and the date '28-01-2024'.

Question 5: Read data from an excel file and print in console.

Output:



The screenshot displays the Eclipse IDE interface. The Package Explorer on the left shows the project structure: `ExcelFileOperation` with sub-packages `src/main/java` and `src/test/java`. The `src/main/java` package contains `task13` and `task15`. The `task13` package contains `ReadOperation.java` and `WriteOperation.java`. The `src/test/java` package contains `BowserLaunch.java`. The `src/main/resources` directory contains `FirstFile.xlsx`. The `src/test/resources` directory contains `pom.xml`. The `src` directory contains `guitask` and `SampleDocument`.

The main editor shows the `ReadOperation.java` file. The code is as follows:

```
1 package task13;
2
3 import java.io.IOException;
4
5 import org.apache.poi.xssf.usermodel.XSSFCell;
6 import org.apache.poi.xssf.usermodel.XSSFRow;
7 import org.apache.poi.xssf.usermodel.XSSFSheet;
8 import org.apache.poi.xssf.usermodel.XSSFWorkbook;
9
10 public class ReadOperation {
11
12     // TODO Auto-generated method stub
13
14
15     XSSFWorkbook book = new XSSFWorkbook("C:\\Users\\Anbu Rose\\
16     XSSFSheet sheet1 = book.getSheetAt(0);
17
18
19     int rowCount = sheet1.getLastRowNum();
20     int columnCount = sheet1.getRow(0).getLastCellNum();
21
22     String[][] data = new String[rowCount][columnCount] ;
23
24     //Get into row
25     for(int i =1;i<=rowCount;i++) {
26         XSSFRow row = sheet1.getRow(i);
27
28     //Get into column
29     for(int j =0;j<columnCount;j++) {
30         XSSFCell cell = row.getCell(j);
31
32     //read the data from excel
33         data[i-1][j] = cell.getStringCellValue();
34         System.out.println(cell.getStringCellValue());
35     }
36 }
37
38
39 }
```

The Console window on the right shows the output of the program:

```
<terminated> ReadOperation [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (2
ERROR StatusLogger Log4j2 could not find a logging implementation. Pl
John Doi
30
john@test.com
Jane Doe
28
john@test.com
Bob Smith
35
jacky@example.com
Swapnil
37
swapnil@example.com
```

The status bar at the bottom shows the file is writable, smart insert is on, and the battery level is 34%.