PRACTICAL NO. 6

A. Aim: Create an application automating the read, write and append operation on excel file.

- **Read Cell**

Steps: -

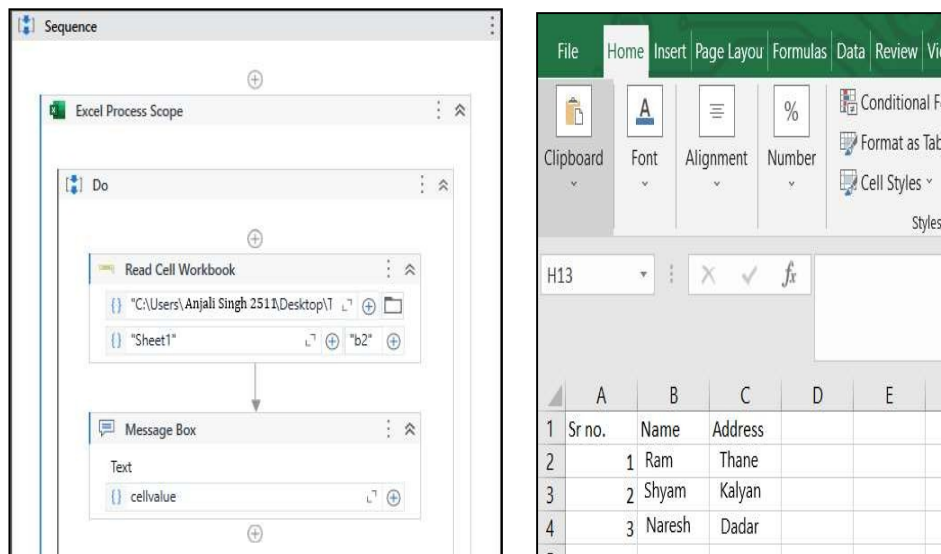**Step 1:** Drag and drop the Sequence Activity.

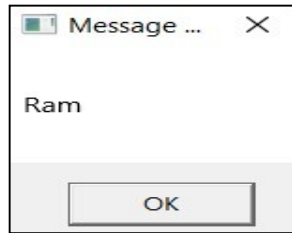**Step 2:** Drag and drop Excel Process Scope Activity in the Sequence Activity.

Step 3: In Excel Process Scope drag and drop the Read Cell Workbook Activity.

Step 4: Create an excel file with some data and save it. Give a desired path of excel file in the Read Cell Workbook. Also give the "sheet name" (Sheet1) and assign the cell you want to read("b2"). Create a variable cell value by pressing ctrl+k. In the output field of Read cell Activity write created variable: cellvalue

Step 5: Add Message Box Activity and connect it to Read Cell Workbook. In the Text field, type variable "cellvalue" created in Step 5.

Step 6: Run.

- **Write Cell**

Steps: -

Step 1: Drag and drop the Sequence Activity from the Activity Panel.

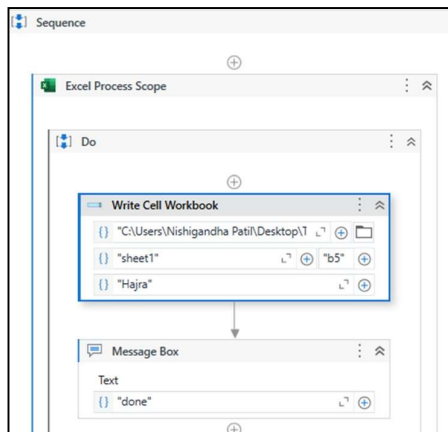**Step 2:** Drag and drop Excel Process Scope Activity in the Sequence Activity.

Step 3: In Excel Process Scope drag and drop the Write Cell Workbook Activity.

Step 4: Give a desired path of already existing excel file in the Write Cell Workbook. Also give the "sheet name" (Sheet1) and assign the cell you want to write("b5"). Type anything you want in quotes for text field.

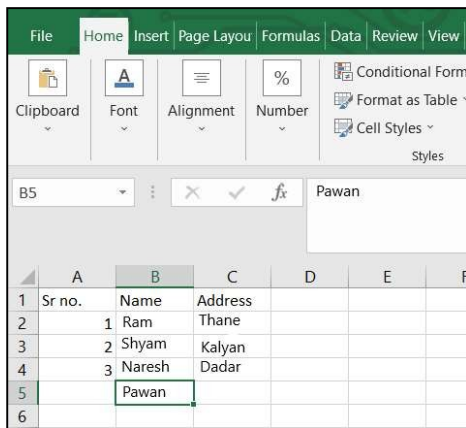**Step 5:** Add Message Box Activity and connect it to Write Cell Workbook. Write "done"
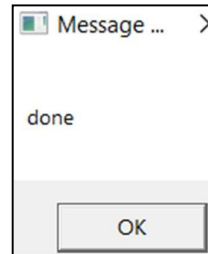
Step 6: Run.

Existing workbook:

Output:

- **Read Range**

Steps: -

Step 1: Drag and drop the Sequence Activity from the Activity Panel.

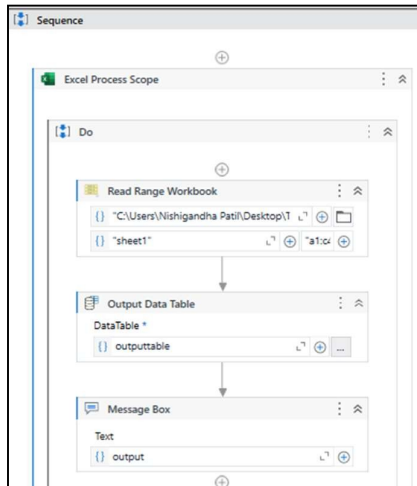**Step 2:** Drag and drop Excel Process Scope Activity in the Sequence Activity.

Step 3: In Excel Process Scope drag and drop the Read Range Workbook Activity.

Step 4: Create an excel file with some data and save it. Give a desired path of excel file in the Read Range Workbook. Also give the "sheet name" (Sheet1) and assign the cell you want to read ("A1:B4"). Create a variable outputtable by pressing ctrl+k.

Step 5: Add Output Data Table Activity under Read Range Workbook Activity. Set output of Read range activity-outputtable. Create a variable "output" of string type and set its input to outputtable and output to "output"

Step 6: Add Message Box Activity and connect it to Read Range Workbook. In the Text field, type variable "output"

Step 7: Run.

- **Write Range**

Steps: -

Step 1: Drag and drop the Sequence Activity from the Activity Panel.

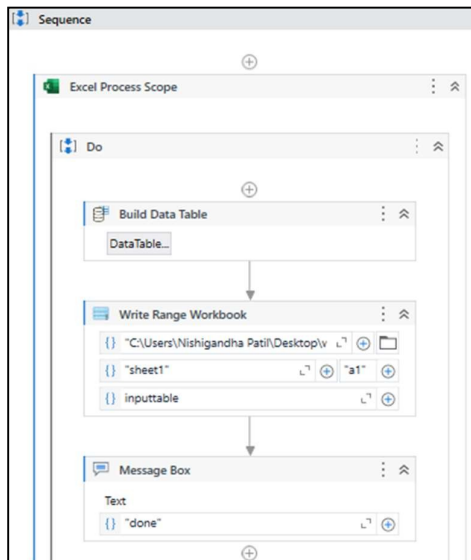**Step 4:** Now drag and drop the Build Data Table. Create three columns Roll No, Name and Location. Create a variable inputtable by pressing ctr+k.

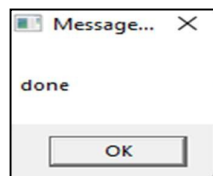**Step 5:** Take Write Range Workbook Activity under Build Data Table.

Step 6: Create an empty excel file with and save it. Give a desired path of excel file in the Write Range Workbook. Also give the "sheet name" (Sheet2) and assign the cell you want to write from("A1"). Type the created variable inputtable in the text.

Step 7: Add Message Box Activity and connect it to Write Range Workbook. In the Text field, type "Done".

Sep 8: Run.

- **Append Range**

Steps: -

Step 3: Drag and drop the Sequence Activity from the Activity Panel.

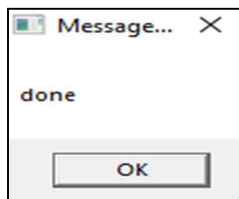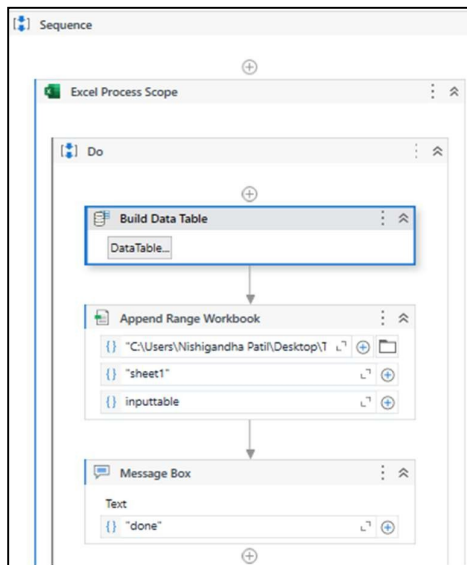**Step 4:** Now drag and drop the Build Data Table. Create three columns Roll No, Name and Location. Create a variable inputtable by pressing ctrl+k.

Step 5: Take Append Range Workbook Activity under Build Data Table.

Step 6: Create an excel file with some data and save it. Give a desired path of excel file in the Append Range Workbook. Also give the "sheet name" (Sheet1). Type the created variable inputtable in the text field.

Step 7: Add Message Box Activity and connect it to Write Range Workbook. In the Text field, type "Done".

Sep 8: Run.

Conclusion:

The practical to automate read, write and append operation on excel file was successfully executed.

B. **Aim: Automate the process to extract data from an excel file into a data table and vice versa.**

Steps: -

Step 1: Open UiPath Studio. Start a BlankProcess. Give the BlankProcess a name**.**

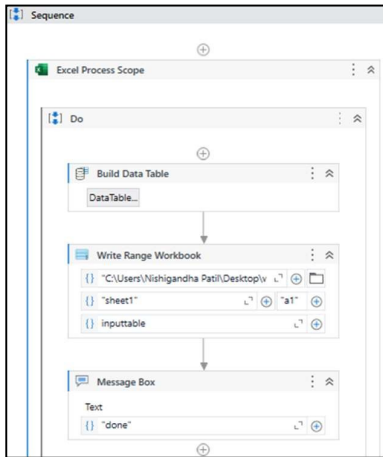**Step 2:** Drag and drop the Sequence Activity from the Activity Panel.

Step 3: Now drag and drop the Build Data Table. Create three columns Roll No, Name and Location. Create a variable inputtable by pressing ctrl+k.

Step 4: Take Write Range Workbook Activity under Build Data Table.

Step 5: Create an empty excel file with and save it. Give a desired path of excel file in the Write Range Workbook. Also give the "sheet name" (Sheet2) and assign the cell you want to write from("A1"). Type the created variable inputtable in the text field.

Step 6: Add Message Box Activity and connect it to Write Range Workbook. In the Text field, type "Done".

Sep 7: Run.

Conclusion:

The practical to automate the process to extract data from an excel file into a data table and vice versa was successfully executed