

```
pip install pandas
```

```
Requirement already satisfied: pandas in /opt/python/envs/default/lib/
Requirement already satisfied: python-dateutil>=2.8.1 in /opt/python/e
Requirement already satisfied: pytz>=2020.1 in /opt/python/envs/default
Requirement already satisfied: numpy>=1.20.3 in /opt/python/envs/default
Requirement already satisfied: six>=1.5 in /opt/python/envs/default/li
```

[notice] A new release of pip is available: 23.1.2 -> 23.3.1

[notice] To update, run: `pip install --upgrade pip`

Note: you may need to restart the kernel to use updated packages.

```
pip install requests openpyxl
```

```
Requirement already satisfied: requests in /opt/python/envs/default/li
Collecting openpyxl
```

```
  Downloading openpyxl-3.1.2-py2.py3-none-any.whl (249 kB)
```

```
250.0/250.0 kB 24.9 MB/s e
```

```
Requirement already satisfied: charset-normalizer<4,>=2 in /opt/python
Requirement already satisfied: idna<4,>=2.5 in /opt/python/envs/default
Requirement already satisfied: urllib3<3,>=1.21.1 in /opt/python/envs/
Requirement already satisfied: certifi>=2017.4.17 in /opt/python/envs/
Collecting et-xmlfile (from openpyxl)
```

```
  Downloading et_xmlfile-1.1.0-py3-none-any.whl (4.7 kB)
```

```
Installing collected packages: et-xmlfile, openpyxl
```

```
Successfully installed et-xmlfile-1.1.0 openpyxl-3.1.2
```

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```
import pandas as pd
```

```
import openpyxl as op
```

```
excel_file_path = 'sessions_10_30.xlsx'
df = pd.read_excel(excel_file_path)
```

```
df=pd.read_excel(excel_file_path)
print(df.head())
```

	Department	Member Name \
0	Fitness	Ross Edinger
1	Fitness	Cecilia McInnis-Bowers
2	Massage	Cynthia El Amin
3	Massage	Joanna Boroujerdi
4	Fitness	Deedra Salmons

	Package Name \
0	30 min personal training 5pk-ALT (5 pack)
1	1 Hour Personal Training 10 Pack - ORLAV (10 p...
2	Massage Madness 5pack 50min. Alt (5 pack)
3	Massage Madness 5 pack 50min.- Dr.P (5 pack)
4	30 min personal training 5pk-ALT (5 pack)

	Name For Mobile	Package Type	Package Status \
0	30 min personal training 5pk-ALT	Individual	Active
1	1 Hour Training 10 Pack - ORL	Individual	Active
2	Massage Madness 5pack 50min. Alt	Individual	Active
3	Massage Madness 5 50min.- Dr.P	Individual	Active
4	30 min personal training 5pk-ALT	Individual	Active

```
print(df)
```

	Department	Member Name \
0	Fitness	Ross Edinger
1	Fitness	Cecilia McInnis-Bowers
2	Massage	Cynthia El Amin
3	Massage	Joanna Boroujerdi
4	Fitness	Deedra Salmons
...	...	...
2057	Fitness	Sterling Vestal
2058	Fitness	Pat Klauck
2059	Fitness	Holly Glusko
2060	Fitness	Holly Glusko
2061	Fitness	CRAIG ARNOLD

	Package Name \
0	30 min personal training 5pk-ALT (5 pack)
1	1 Hour Personal Training 10 Pack - ORLAV (10 p...
2	Massage Madness 5pack 50min. Alt (5 pack)
3	Massage Madness 5 pack 50min.- Dr.P (5 pack)
4	30 min personal training 5pk-ALT (5 pack)
...	...

```
selected_columns = df[['Department', 'Member Name', 'Package Status', 'S
```

```
print(selected_columns)
```

	Department	Member Name	Package	Status	Sessions Remai
0	Fitness	Ross Edinger		Active	
1	Fitness	Cecilia McInnis-Bowers		Active	
2	Massage	Cynthia El Amin		Active	
3	Massage	Joanna Boroujerdi		Active	
4	Fitness	Deedra Salmons		Active	
...	...	...		...	
2057	Fitness	Sterling Vestal		Active	
2058	Fitness	Pat Klauck		Active	
2059	Fitness	Holly Glusko		Active	
2060	Fitness	Holly Glusko		Active	
2061	Fitness	CRAIG ARNOLD		Active	

```
[2062 rows x 4 columns]
```

```
sorted(selected_columns)
```

```
['Department', 'Member Name', 'Package Status', 'Sessions Remaining']
```

```
# filter selected_columns that meet multiple criteria
# same criteria used in the previous filter
criteria_selected = (selected_columns['Department'] == 'Fitness') & (sel

filtered_selected_columns = selected_columns[criteria_selected]
filtered_selected_list = filtered_selected_columns.values.tolist()

print(filtered_selected_list)
```

```
[['Fitness', 'Linda Rivero', 'Active', 1.0], ['Fitness', 'Sandra Warsh
```

```
# search for ['William Trimble', 'Kim Furbish', 'Larry Dale', 'Gerald Be
# Names to search for
search_names = [
    "William Trimble", "Kim Furbish", "Larry Dale",
    "Gerald Berlage", "Maureen Howard", "Alfred Canal",
    "Anthony Walsh", "Charlene Goss",
    "Patricia (Patti) Altamura", "Ivette Garcia"
]

# Get 'Member Name' column from the filtered list
member_names = [row[1] for row in filtered_selected_list]

# Check if each name is in search_names
matches = [name for name in member_names if name in search_names]

# Print the matches
print(matches)
```

```
['Larry Dale', 'Maureen Howard']
```