[13] 1. Write a python code to load an excel spreadsheet containing two different sheets and print both of them.

```
import pandas as pd

# Read excel file
# and store into a DataFrame
excel_file = pd.ExcelFile('sample_scores.xlsx')
pd.read_excel
```

```
<function pandas.io.excel._base.read_excel>
```

```
[9] print(excel_file.sheet_names)
```

```
['Sheet1', 'Sheet2']
```

```
[10] df = excel_file.parse('Sheet1')
print(df)
```

```
         Name  Test 1  Test 2
0     Derrick      45      34
1      Keanan      67      85
2      Jacque      89      95
3        Theo      64      97
4       Henry      58      66
5       Nancy      51      73
6      Maxine      82      74
7    Charlton      74      80
8        Dina      91      52
9       Reece      96      78
10      Ernie     100      72
11    Cassidy      69      77
12        Jed      73      58
13   Tasneem      95      51
14     Nikki      70      78
15      Dhruv      83      97
16   Malaikah      57      83
17     Stefan      81      92
18  Henrietta      79      89
```

```
[11] df = excel_file.parse('Sheet2')
print(df)
```

```
       Name  Test 1
0    Derrick      45
1     Keanan      67
2     Jacque      89
3       Theo      64
4      Henry      58
5      Nancy      51
6     Maxine      82
7   Charlton      74
8       Dina      91
9      Reece      96
10     Ernie     100
11   Cassidy      69
12       Jed      73
13   Tasneem      95
14     Nikki      70
15      Dhruv      83
```

[ ] 2. Write a python code to generate a pandas data frame having 4 columns and 5 rows. Column 1 must contain the index values like Ali, Amir, Kamran, etc and Row 1 must contain the subject names.

```
[14] import pandas as pd

    # Intitialise data of lists
    data = [{'data sturcture': "3.1 cgpa", 'linear algebra':"3.2 cgpa" , 'computer architecture':"3.1 cgpa"},
            {'data sturcture': "3.2 cgpa", 'linear algebra':"3.3 cgpa" , 'computer architecture':"3.0 cgpa"},
           {'data sturcture': "3.12 cgpa", 'linear algebra':"3.3 cgpa" , 'computer architecture':"3.0 cgpa"}]

    # Creates padas DataFrame by passing
    # Lists of dictionaries and row index.
    df = pd.DataFrame(data, index =['ali', 'amir','kamran'])

    # Print the data
    df
```

	data sturcture	linear algebra	computer architecture
ali	3.1 cgpa	3.2 cgpa	3.1 cgpa
amir	3.2 cgpa	3.3 cgpa	3.0 cgpa
kamran	3.12 cgpa	3.3 cgpa	3.0 cgpa

[ ] 3. Write a python code to read an excel spreadsheet and only print first two columns using pandas data frame.

```
[16] import pandas as pd
    import numpy as np
    # Read excel file
    # and store into a DataFrame
    # excel_file = pd.ExcelFile('sample_scores.xlsx')

    cols = [0, 1]
    df = pd.read_excel('sample_scores.xlsx', usecols=cols)
    df
    pd.read_excel
```

```
<function pandas.io.excel._base.read_excel>
```

```
[17] df
```

	Name	Test 1
0	Derrick	45
1	Keanan	67
2	Jacque	89
3	Theo	64
4	Henry	58
5	Nancy	51
6	Maxine	82
7	Charlton	74
8	Dina	91
9	Reece	96
10	Ernie	100

11	Cassidy	69
12	Jed	73
13	Tasneem	95
14	Nikki	70
15	Dhruv	83
16	Malaikah	57
17	Stefan	81
18	Henrietta	79

[ ] 4. Write a python code to skip the first two rows of excel spreadsheet and print the output using pandas data frame.

[21]
```
import pandas as pd
# d = {'col1': [1, 2, 3, 4, 7, 11], 'col2': [4, 5, 6, 9, 5, 0], 'col3': [7, 5, 8, 12, 1,11]}
df = pd.read_excel('sample_scores.xlsx', usecols=cols)
print("Original DataFrame")
print(df)
print("\nAfter removing first 3 rows of the said DataFrame:")
df1 = df.iloc[2:]
print(df1)
```

```
Original DataFrame
         Name  Test 1
0     Derrick      45
1      Keanan      67
2      Jacque      89
3        Theo      64
4       Henry      58
5       Nancy      51
6      Maxine      82
7    Charlton      74
8        Dina      91
9       Reece      96
10      Ernie     100
11    Cassidy      69
12        Jed      73
13    Tasneem      95
14      Nikki      70
15      Dhruv      83
16   Malaikah      57
17     Stefan      81
18  Henrietta      79

After removing first 3 rows of the said DataFrame:
         Name  Test 1
2      Jacque      89
3        Theo      64
4       Henry      58
5       Nancy      51
6      Maxine      82
7    Charlton      74
8        Dina      91
9       Reece      96
10      Ernie     100
11    Cassidy      69
12        Jed      73
13    Tasneem      95
14      Nikki      70
15      Dhruv      83
16   Malaikah      57
17     Stefan      81
18  Henrietta      79
```