In [1]:
```
import pandas as pd
d=pd.read_excel("C:excel1.xlsx")
print("get the table data:\n")
print(d)
df=pd.DataFrame(d)
print("\nget the column heading\n",df.columns)
print("\nget the shape-(no of rows,no of columns)\n",df.shape)
print("\nget particular coulmn values\n",df['S.No'])
print("\nextract/slide the table values-[including this row,excluding this row]\n",
print("\nget the particular row values-through row number identification\n",df.loc[
print("\nget the particular row values-through'Roll number' identification\n",d.loc
df=d['Total']/5
print("\nmake an average of total marks:\n",df)
```

get the table data:

	S.No	Name	Roll.No	Gender	sub1	sub2	sub3	sub4	sub5	Total
0	1	Ancy	22	female	56	89	90	67	67	369
1	2	Dharani	12	female	67	70	78	87	90	392
2	3	Maran	5	male	80	35	94	45	80	334
3	4	Lakshitha	7	female	98	61	65	99	54	377
4	5	Arjun	43	male	77	89	56	59	87	368
5	6	Harshini	8	female	69	76	92	100	90	427
6	7	Shamini	31	female	52	44	93	45	89	323
7	8	Pravin	33	male	99	23	86	34	98	340
8	9	Raghul	47	male	74	49	88	62	90	363
9	10	Eswanth	20	male	90	88	82	60	100	420

get the column heading

```
Index(['S.No', 'Name', 'Roll.No', 'Gender', 'sub1', 'sub2', 'sub3', 'sub4',
       'sub5', 'Total'],
      dtype='object')
```

get the shape-(no of rows,no of columns)

```
(10, 10)
```

get particular coulmn values

```
0     1
1     2
2     3
3     4
4     5
5     6
6     7
7     8
8     9
9    10
Name: S.No, dtype: int64
```

extract/slide the table values-[including this row,excluding this row]

	S.No	Name	Roll.No	Gender	sub1	sub2	sub3	sub4	sub5	Total
2	3	Maran	5	male	80	35	94	45	80	334
3	4	Lakshitha	7	female	98	61	65	99	54	377
4	5	Arjun	43	male	77	89	56	59	87	368

get the particular row values-through row number identification

```
S.No            8
Name       Pravin
Roll.No        33
Gender       male
sub1           99
sub2           23
sub3           86
sub4           34
sub5           98
Total         340
Name: 7, dtype: object
```

get the particular row values-through'Roll number' identification

```
Empty DataFrame
Columns: [S.No, Name, Roll.No, Gender, sub1, sub2, sub3, sub4, sub5, Total]
Index: []
```

make an average of total marks:

```
0    73.8
1    78.4
2    66.8
3    75.4
```

```
4    73.6
5    85.4
6    64.6
7    68.0
8    72.6
9    84.0
Name: Total, dtype: float64
```

In [2]:
```
import pandas as pd
df=pd.DataFrame([[11,21,31],[1,22,32],[315,32,33]],index=['one','two','three'],colu
print(df)
print("taking the input from dataframe and storing in the excel file")
df.to_excel('d:\pandas_to_excel.xlsx',sheet_name='new_sheet_name')
d=pd.DataFrame([[110,210,310],[12,220,230],[310,320,330]],index=['four','five','six
d.to_excel('d:\pandas_to_excel.xlsx',sheet_name='new_sheet_name')
x=pd.read_excel('d:\pandas_to_excel.xlsx')
y=pd.read_excel('d:\pandas_to_excel1.xlsx')
z=x.append(y)
z.to_excel('d:\pandas_to_excel3.xlsx')
df=z.sort_values(["a"])
print(df)
df.to_excel('d:\pandas_to_excel4.xlsx')
df=pd.read_csv("C:store.csv")
print(df)
print(list(df))
print(format(len(df)))
```

```
        a   b   c
one    11  21  31
two     1  22  32
three  315  32  33
taking the input from dataframe and storing in the excel file
C:\Users\Tcs\AppData\Local\Temp\ipykernel_11936\3839285983.py:10: FutureWarning: T
he frame.append method is deprecated and will be removed from pandas in a future v
ersion. Use pandas.concat instead.
  z=x.append(y)
  Unnamed: 0    a    b    c
1       five   12  220  230
1       five   12  220  320
0       four  110  210  310
0       four  110  210  310
2        six  310  320  330
2        six  310  320  330
       5\tArjun\t43\tmale\t77\t89\t56\t59\t87\t368
0  6\tHarshini\t8\tfemale\t69\t76\t92\t100\t90\t427
1   7\tShamini\t31\tfemale\t52\t44\t93\t45\t89\t323
['5\tArjun\t43\tmale\t77\t89\t56\t59\t87\t368']
2
```

In [ ]: