

DATA FRAME CREATION

From list

```
In [2]: import pandas as pd
a = ([1,2])
b = pd.DataFrame(a)
b.head()
```

```
Out[2]:
```

	0
0	1
1	2

From list of list

```
In [1]: import pandas as pd
a = ([[1,2],[1,2]])
b = pd.DataFrame(a)
b.head()
```

```
Out[1]:
```

	0	1
0	1	2
1	1	2

from dictionary

```
In [8]: import pandas as pd
a = {
    'name' : ["Prem", 'Gowsick'],
    'age' : [20,21]
}
b = pd.DataFrame(a)
b.head()
```

```
Out[8]:
```

	name	age
0	Prem	20
1	Gowsick	21

from dictionary with index specified

```
In [9]: import pandas as pd
a = {
    'name' : ["Prem", 'Gowsick'],
    'age' : [20,21]
}
b = pd.DataFrame(a, index =[1,2])
b.head()
```

```
Out[9]:
```

	name	age
1	Prem	20
2	Gowsick	21

from list of dicts

```
In [3]: import pandas as pd
a = ([{'a':1, "b":2, "c":3},
      {'a':10, "b":20, "c":30}])

b = pd.DataFrame(a)
b.head()
```

```
Out[3]:
```

	a	b	c
0	1	2	3
1	10	20	30

from lists with index specified

```
In [16]: import pandas as pd
a = [1,2,3,4,5]
b = pd.DataFrame(a, index=['A', 'B', 'C', 'D', 'E'])
b.head()
```

```
Out[16]:
```

	0
A	1
B	2
C	3
D	4
E	5

READING A FILE

```
In [14]: import pandas as pd
a = pd.read_excel("C:\\Users\\premc\\Desktop\\Book1.xlsx")
b = pd.DataFrame(a)
print("The read file is:")
b.head()
```

The read file is:

```
Out[14]:
```

	sl.no	name	Roll.no
0	1	prem	171
1	2	giruba	172
2	3	gowsick	173

```
In [ ]:
```