creating dataframe using dictionary

```
weather = {
    "day":["02/12/2002","24/08/2001","18/10/2001","18/12/2002","28/11/2013"],
    "temparature":[30,28,32,45,43],
    "windspeed":[6,7,2,3,5],
    "event":["Rain","sunny","winter","snow","Rain"]
}
df = pd.DataFrame(weather)
df
```

	day	temparature	windspeed	event
0	02/12/2002	30	6	Rain
1	24/08/2001	28	7	sunny
2	18/10/2001	32	2	winter
3	18/12/2002	45	3	snow
4	28/11/2013	43	5	Rain

```
row,column = df.shape
row
column
```

```
4
```

```
b = df.head(2) # specifing the head to 2
a = df.tail(3)
print(a)
print(b)
c = df[2:5]
print(c)
```

```
          day  temparature  windspeed   event
2  18/10/2001           32          2  winter
3  18/12/2002           45          3    snow
4  28/11/2013           43          5    Rain
          day  temparature  windspeed  event
0  02/12/2002           30          6   Rain
1  24/08/2001           28          7  sunny
          day  temparature  windspeed   event
2  18/10/2001           32          2  winter
3  18/12/2002           45          3    snow
DAS EXAMPLES COLLECTION.ipynb#  43          5    Rain
```

```
#df.event
df['event']
```

```
0      Rain
1     sunny
2    winter
3      snow
4      Rain
Name: event, dtype: object
```

```
df[['event','day','temparature']]
```

	event	day	temparature
0	Rain	02/12/2002	30
1	sunny	24/08/2001	28
2	winter	18/10/2001	32
3	snow	18/12/2002	45
4	Rain	28/11/2013	43

```
#df['temparature'].max()
df['windspeed'].min()
df['temparature'].max() + df['windspeed'].min()
```

```
47
```

```
df.describe()
```

	temparature	windspeed
count	5.000000	5.000000
mean	35.600000	4.600000
std	7.829432	2.073644
min	28.000000	2.000000
25%	30.000000	3.000000
50%	32.000000	5.000000
75%	43.000000	6.000000
max	45.000000	7.000000

```
df[df['temparature']>=32]
```

	day	temparature	windspeed	event
2	18/10/2001	32	2	winter
3	18/12/2002	45	3	snow
4	28/11/2013	43	5	Rain

```
df[df['temparature'] == df['temparature'].max()]
```

	temparature	windspeed	event
3	45	3	snow

```
df.reset_index(inplace = True)
```

DIFFERENT WAYS OF CREATING DATAFRAME

```
df = pd.read_csv("C:\\Users\\THARUN\\Downloads\\DATASETS\\COVID.csv")
df
```

	Country/Region	Confirmed	Deaths	Recovered	Active	New cases	New deaths	New recovered	Deaths / 100 Cases	Recovered / 100 Cases	Deaths / 100 Recovered	Confirmed last week	1 week change	1 week % increase	WHO Reg
0	Afghanistan	36263	1269	25198	9796	106	10	18	3.50	69.49	5.04	35526	737	2.07	Eas Mediterran
1	Albania	4880	144	2745	1991	117	6	63	2.95	56.25	5.25	4171	709	17.00	Eur
2	Algeria	27973	1163	18837	7973	616	8	749	4.16	67.34	6.17	23691	4282	18.07	A
3	Andorra	907	52	803	52	10	0	0	5.73	88.53	6.48	884	23	2.60	Eur
4	Angola	950	41	242	667	18	1	0	4.32	25.47	16.94	749	201	26.84	A
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
182	West Bank and Gaza	10621	78	3752	6791	152	2	0	0.73	35.33	2.08	8916	1705	19.12	Eas Mediterran
183	Western Sahara	10	1	8	1	0	0	0	10.00	80.00	12.50	10	0	0.00	A
184	Yemen	1691	483	833	375	10	4	36	28.56	49.26	57.98	1619	72	4.45	Eas

In [67]:
```
weather = {
    "day":["02/12/2002","24/08/2001","18/10/2001","18/12/2002","28/11/2013"],
    "temparature":[30,28,32,45,43],
    "windspeed":[6,7,2,3,5],
    "event":["Rain","sunny","winter","snow","Rain"]
}
df = pd.DataFrame(weather)
df
```

Out[67]:

	day	temparature	windspeed	event
0	02/12/2002	30	6	Rain
1	24/08/2001	28	7	sunny
2	18/10/2001	32	2	winter
3	18/12/2002	45	3	snow
4	28/11/2013	43	5	Rain

```
weather = [
    ("02/12/2002",30,6,"Rain"),
    ("24/08/2001",28,7,"sunny"),
    ("18/10/2001",32,2,"winter"),
    ("18/12/2002",45,3,"snow"),
    ("28/11/2013",43,5,"Rain")
]
df = pd.DataFrame(weather,columns = ["day","temparature","windspeed","event"])
df
```

	day	temparature	windspeed	event
0	02/12/2002	30	6	Rain
1	24/08/2001	28	7	sunny
2	18/10/2001	32	2	winter
3	18/12/2002	45	3	snow
4	28/11/2013	43	5	Rain

```
weather = [
    {"date":"02/12/2002","temparature":30,"windspeed":6,"event":"Rain"},
    {"date":"24/08/2001","temparature":28,"windspeed":7,"event":"sunny"},
    {"date":"18/10/2001","temparature":32,"windspeed":2,"event":"winter"},

]
df = pd.DataFrame(weather)
df
```

	date	temparature	windspeed	event
0	02/12/2002	30	6	Rain
1	24/08/2001	28	7	sunny
2	18/10/2001	32	2	winter