In [1]:
```
import pandas as pd
```

In [6]:
```
data = pd.read_csv("Salary_Data.csv")
data
```

Out[6]:

	YearsExperience	Salary
0	1.1	39343.0
1	1.3	46205.0
2	1.5	37731.0
3	2.0	43525.0
4	2.2	39891.0
5	2.9	56642.0
6	3.0	60150.0
7	3.2	54445.0
8	3.2	64445.0
9	3.7	57189.0
10	3.9	63218.0
11	4.0	55794.0
12	4.0	56957.0
13	4.1	57081.0
14	4.5	61111.0
15	4.9	67938.0
16	5.1	66029.0
17	5.3	83088.0
18	5.9	81363.0
19	6.0	93940.0
20	6.8	91738.0
21	7.1	98273.0
22	7.9	101302.0
23	8.2	113812.0
24	8.7	109431.0
25	9.0	105582.0
26	9.5	116969.0
27	9.6	112635.0
28	10.3	122391.0
29	10.5	121872.0

In [7]:
```
data.head() # first 5
```

Out[7]:

	YearsExperience	Salary
0	1.1	39343.0
1	1.3	46205.0
2	1.5	37731.0
3	2.0	43525.0
4	2.2	39891.0

In [8]:
```
1 data.tail() #last 5
```

Out[8]:

	YearsExperience	Salary
25	9.0	105582.0
26	9.5	116969.0
27	9.6	112635.0
28	10.3	122391.0
29	10.5	121872.0

In [9]:
```
1 data.shape
```

Out[9]:
```
(30, 2)
```

In [13]:
```
1 #Store the features in X and target in y
2 x=data[['YearsExperience']]
3 y=data[['Salary']]
```

In [20]:
```
1 x.tail(2) #last 2
```

Out[20]:

	YearsExperience
28	10.3
29	10.5

In [21]:
```
1 y.head(4) #first 4
```

Out[21]:

	Salary
0	39343.0
1	46205.0
2	37731.0
3	43525.0

In [19]:
```
1 data.empty #check the empty attribute
```

Out[19]:
```
False
```

In [22]:
```
1 data.dtypes
```

Out[22]:
```
YearsExperience    float64
Salary             float64
dtype: object
```

In [23]:
```
1 data.describe()
```

Out[23]:

	YearsExperience	Salary
count	30.000000	30.000000
mean	5.313333	76003.000000
std	2.837888	27414.429785
min	1.100000	37731.000000
25%	3.200000	56720.750000
50%	4.700000	65237.000000
75%	7.700000	100544.750000
max	10.500000	122391.000000

In [ ]:
```
1
```