In [1]:
```
#Exp No : 3
```

In [2]:
```
# Aim: To perform Finding Statistical Descriptions of given data set using Pandas
```

In [3]:
```
#Name : Kaushal A. Bharade
#Roll No : 11
#Sec : A
#Subject : Data Science and Statistics
#Date : 02/09/2023
```

In [4]:
```
import pandas as pd
```

In [5]:
```
import matplotlib.pyplot as plt
```

In [6]:
```
import seaborn as sns
```

In [7]:
```
import numpy as np
```

In [8]:
```
import os
```

In [9]:
```
os.getcwd()
```

Out[9]:
```
'C:\\Users\\HP'
```

In [10]:
```
os.chdir('C:\\Users\\HP\\Desktop\\DS PRACTICALS')
```

In [11]:
```
df=pd.read_csv("Salary_dataset.csv")
```

In [12]:
```
df.head()
```

Out[12]:

	YearsExperience	Salary
0	1.1	39343
1	1.3	46205
2	1.5	37731
3	2.0	43525
4	2.2	39891

In [13]:
```
df.tail()
```

Out[13]:

	YearsExperience	Salary
30	11.2	127345
31	11.5	126756
32	12.3	128765
33	12.9	135675
34	13.5	139465

In [14]:
```
df.head(30)
```

Out[14]:

	YearsExperience	Salary
0	1.1	39343
1	1.3	46205
2	1.5	37731
3	2.0	43525
4	2.2	39891
5	2.9	56642
6	3.0	60150
7	3.2	54445
8	3.2	64445
9	3.7	57189
10	3.9	63218
11	4.0	55794
12	4.0	56957
13	4.1	57081
14	4.5	61111
15	4.9	67938
16	5.1	66029
17	5.3	83088
18	5.9	81363
19	6.0	93940
20	6.8	91738
21	7.1	98273
22	7.9	101302
23	8.2	113812
24	8.7	109431
25	9.0	105582
26	9.5	116969
27	9.6	112635
28	10.3	122391
29	10.5	121872

In [15]:
```
df.info()
#attribute
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 35 entries, 0 to 34
Data columns (total 2 columns):
 #   Column           Non-Null Count  Dtype  
---  ------           --------------  -----  
 0   YearsExperience  35 non-null     float64
 1   Salary           35 non-null     int64  
dtypes: float64(1), int64(1)
memory usage: 692.0 bytes
```

In [16]:
```
df.describe()
#record
```

Out[16]:

	YearsExperience	Salary
count	35.000000	35.000000
mean	6.308571	83945.600000
std	3.618610	32162.673003
min	1.100000	37731.000000
25%	3.450000	57019.000000
50%	5.300000	81363.000000
75%	9.250000	113223.500000
max	13.500000	139465.000000

In [17]:
```
df.shape
```

Out[17]:
```
(35, 2)
```

In [18]:
```
df.size
```

In [18]:
```
df.size
```

Out[18]:
```
70
```

In [19]:
```
df.ndim
```

Out[19]:
```
2
```