```python
# Experiment No: 3
```

```python
# Aim: Stastical description on data
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```python
# Name: Sakshi Padmakar Yeole
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```python
# Class: 3rd year(B)
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```python
# Roll No: 69
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```python
# Date: 20th July 2024
```

```python
import pandas as pd
```

```python
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
```

```python
import os
```

```python
os.getcwd()
```

```
'C:\\Users\\hp'
```

```python
os.chdir('C:\\Users\\hp\OneDrive\\Desktop')
```

```python
data=pd.read_csv("Salary.csv")
```

```python
data.head()
```

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

```python
data.tail()
```

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

```python
data.head(30)
```

	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 [22]:
```python
data.info()
```

```
<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: 688.0 bytes
```

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

Out[23]:

	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 [24]:
```python
data.shape
```

Out[24]: (35, 2)

```
In [25]:   data.size
```

Out[25]: 70

```
In [26]:   data.ndim
```

Out[26]: 2

```
In [ ]:
```