

In []:

Task 2 : Calculate Summary Statistics

Calculate summary statistics(mean, median, mode, standard deviation) **for** a dataset
By SHURUTHI R S

In []:

#Implementing the Dependencies

In [1]:

```
import pandas as pd
import numpy as np
```

In []:

#Data Reading

In [2]:

```
gender_data = pd.read_csv("gender_submission.csv")
print(gender_data)
```

	PassengerId	Survived
0	892	0
1	893	1
2	894	0
3	895	0
4	896	1
..
413	1305	0
414	1306	1
415	1307	0
416	1308	0
417	1309	0

[418 rows x 2 columns]

In []:

#Using the describe() to find the statistics(mean, median, mode, standard deviation)

In [3]:

```
#Calculating the statistics (mean, median, mode, standard deviation)
gender_data.describe()
```

Out[3]:

	PassengerId	Survived
count	418.000000	418.000000
mean	1100.500000	0.363636
std	120.810458	0.481622
min	892.000000	0.000000
25%	996.250000	0.000000
50%	1100.500000	0.000000
75%	1204.750000	1.000000
max	1309.000000	1.000000

In [5]:

```
gender_data.median()
```

Out[5]:

```
PassengerId    1100.5
Survived        0.0
dtype: float64
```

In [6]:

```
gender_data.mode()
```

Out[6]:

	PassengerId	Survived
0	892	0.0
1	893	NaN
2	894	NaN
3	895	NaN
4	896	NaN
...
413	1305	NaN
414	1306	NaN
415	1307	NaN
416	1308	NaN
417	1309	NaN

418 rows × 2 columns

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