

## Assi 2 - Data Wrangling - II

CSV File / Dataset - Academic performance

Required Libraries -

```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
import math
```

Functions Used -

- Create dataset by using roll no, marks, name & grade.

```
df = pd.DataFrame({"roll no": rollno, "Name": name,
                  "marks": marks, "grade": grade})
```

```
df.info()
```

```
df.describe()
```

```
df.dtypes
```

```
df.columns
```

```
df.isnull().sum()
```

```
first_outlier
```

```
second_outlier
```

```
df.loc[15] = first_outlier
```

```
df.loc[16] = second_outlier
```

```
sns.countplot()
```

```
sns.boxplot()
```

```
df = df.drop()
```

scaling the marks column.

## Osca Questions With Answers.

① Which parameters used to create "Academic Performance" dataset.

→ "Roll no", "name", "Marks", "Grade"

② Which library used for scaling the marks column.

→ import minmaxscale from sklearn.preprocessing  
scale = MinMaxScaler()

df[['marks']] = scale.fit\_transform(df[['marks']])

Remaning questions similar to "Data  
'Wangling - I'"

Prepare all questions from Ass - 1