A) Write a python program to Display column-wise mean, and median for SOCR- HeightWeight dataset.

In [8]:
```
import pandas as pd
df = pd.read_csv('weight-height.csv')
mean = df[['Height', 'Weight']].mean()
median = df[['Height', 'Weight']].median()
print("Column-wise Mean:\n", mean)
print("\nColumn-wise Median:\n", median)
```

```
Column-wise Mean:
 Height     66.367560
Weight    161.440357
dtype: float64

Column-wise Median:
 Height     66.318070
Weight    161.212928
dtype: float64
```

Write a python program to compute sum of Manhattan distance between all pairs of points.

In [9]:
```
points = [(1, 2),(3, 4),(5, 6),(7, 8)]
total_distance = 0
for i in range(len(points)):
    for j in range(i + 1, len(points)):
        total_distance += abs(points[i][0] - points[j][0]) + abs(points[i][1] - points[j][1])
print("Sum of Manhattan distances:", total_distance)
```

```
Sum of Manhattan distances: 40
```