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Experiment No. 3.1

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Section/Group: MCD-1/ Grp B
Semester: I
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Subject Name: Python Programming Lab
Subject Code: 22CAP-647

1. Aim/Overview of the practical:

Perform different statistics operations on dataset taken from Kaggle (Heart Disease Dataset)

2. Code for practical:

```
import pandas as pd
dataset = pd.read_csv('heart.csv')
dataset.head()
mean = dataset['trestbps'].mean()
median = dataset['age'].median()
maxValue = dataset['chol'].max()
minValue = dataset['chol'].min()
print("Age Median : ",median)
print("Trestbps Mean: ",mean)
print("Cholestrol Maxvalue: ",maxValue)
print("Cholestrol Minimum: ",minValue)
print(dataset.describe())
print(dataset.dtypes)
```

3. Output:

```
Age Median :  56.0
Trestbps Mean:  131.61170731707318
Cholestrol Maxvalue:  564
Cholestrol Minimum:  126
```

	age	sex	...	thal	target
count	1025.000000	1025.000000	...	1025.000000	1025.000000
mean	54.434146	0.695610	...	2.323902	0.513171
std	9.072290	0.460373	...	0.620660	0.500070
min	29.000000	0.000000	...	0.000000	0.000000
25%	48.000000	0.000000	...	2.000000	0.000000
50%	56.000000	1.000000	...	2.000000	1.000000
75%	61.000000	1.000000	...	3.000000	1.000000
max	77.000000	1.000000	...	3.000000	1.000000

```
[8 rows x 14 columns]
age           int64
sex           int64
cp            int64
trestbps      int64
chol          int64
fbs           int64
restecg       int64
thalach       int64
exang         int64
oldpeak     float64
slope         int64
ca            int64
thal          int64
target        int64
dtype: object
```

********** **THE END** **********