```
import pandas as pd
```

```
import numpy as np
```

```
import matplotlib.pyplot as plt
```

```
df = pd.read_csv("https://raw.githubusercontent.com/YBI-Foundation/Dataset/main/Admission%20Chance.csv")
```

```
df.head()
```

	Serial No	GRE Score	TOEFL Score	University Rating	SOP	LOR	CGPA	Research	Chance of Admit
0	1	337	118	4	4.5	4.5	9.65	1	0.92
1	2	324	107	4	4.0	4.5	8.87	1	0.76
2	3	316	104	3	3.0	3.5	8.00	1	0.72
3	4	322	110	3	3.5	2.5	8.67	1	0.80
4	5	314	103	2	2.0	3.0	8.21	0	0.65

```
df.tail()
```

	Serial No	GRE Score	TOEFL Score	University Rating	SOP	LOR	CGPA	Research	Chance of Admit
395	396	324	110	3	3.5	3.5	9.04	1	0.82
396	397	325	107	3	3.0	3.5	9.11	1	0.84
397	398	330	116	4	5.0	4.5	9.45	1	0.91
398	399	312	103	3	3.5	4.0	8.78	0	0.67
399	400	333	117	4	5.0	4.0	9.66	1	0.95

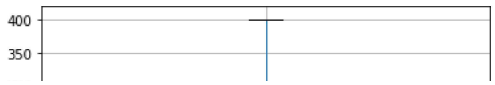
```
df.dtypes
```

```
Serial No              int64
GRE Score              int64
TOEFL Score            int64
University Rating      int64
 SOP                 float64
LOR                  float64
CGPA                 float64
Research               int64
Chance of Admit      float64
dtype: object
```

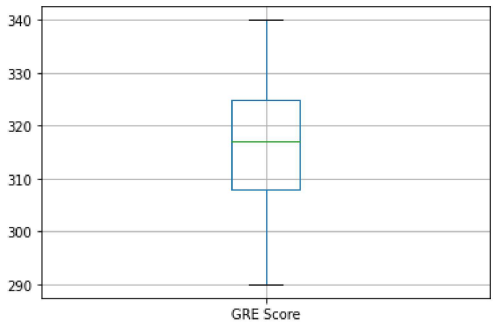
```
df.isnull().sum()
```

```
Serial No            0
GRE Score            0
TOEFL Score          0
University Rating    0
 SOP                 0
LOR                  0
CGPA                 0
Research             0
Chance of Admit      0
dtype: int64
```

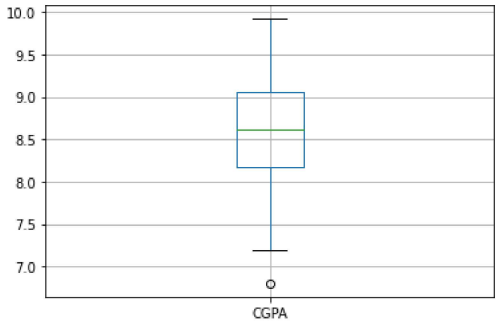
```
boxplot = df.boxplot(column=['Serial No'])
```




```
boxplot = df.boxplot(column=['GRE Score'])
```



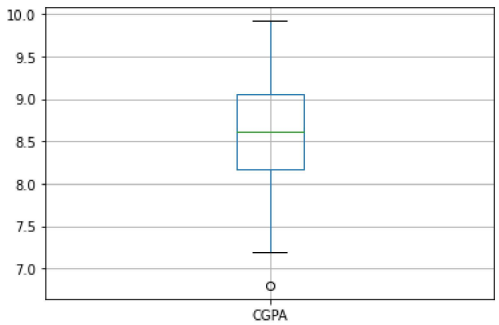

```
boxplot = df.boxplot(column=['CGPA'])
```




```
Q1 = df['CGPA'].quantile(0.25)

Q3 = df['CGPA'].quantile(0.75)

IQR = Q3-Q1

Lower_Limit = Q1-1.5*IQR

Upper_Limit = Q3+1.5*IQR

print("Q1:", Q1, "\nQ3:", Q3, "\nIQR:", IQR, "\nLower_Limit:", Lower_Limit, "\nUpper_Limit:", Upper_Limit)
```

```
Q1: 8.17
Q3: 9.0625
IQR: 0.8925000000000001
Lower_Limit: 6.83125
Upper_Limit: 10.401250000000001
```

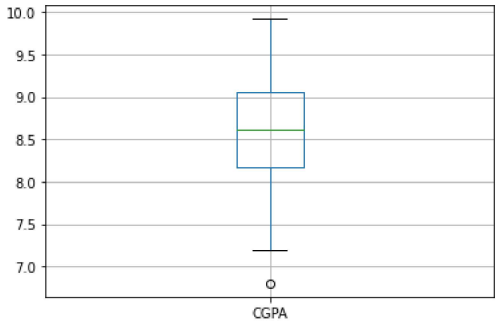
```
boxplot = df.boxplot(column=['CGPA'])
```




```
df[(df['CGPA']<Lower_Limit)|(df['CGPA']>Upper_Limit)]
```

	Serial No	GRE Score	TOEFL Score	University Rating	SOP	LOR	CGPA	Research	Chance of Admit
58	59	300	99	1	3.0	2.0	6.8	1	0.36

```
boxplot = df.boxplot(column=['CGPA'])
```




```
df = df[(df['CGPA']>Lower_Limit)&(df['CGPA']<Upper_Limit)]
df[60:70]
```

	Serial No	GRE Score	TOEFL Score	University Rating	SOP	LOR	CGPA	Research	Chance of Admit
61	62	307	101	3	4.0	3.0	8.20	0	0.47
62	63	304	105	2	3.0	3.0	8.20	1	0.54
63	64	315	107	2	4.0	3.0	8.50	1	0.56
64	65	325	111	3	3.0	3.5	8.70	0	0.52
65	66	325	112	4	3.5	3.5	8.92	0	0.55
66	67	327	114	3	3.0	3.0	9.02	0	0.61
67	68	316	107	2	3.5	3.5	8.64	1	0.57
68	69	318	109	3	3.5	4.0	9.22	1	0.68
69	70	328	115	4	4.5	4.0	9.16	1	0.78
70	71	332	118	5	5.0	5.0	9.64	1	0.94

```
boxplot = df.boxplot(column=['CGPA'])
```