

```

import pandas as pd
df = pd.read_csv("mtcars.csv")
data = df["hp"]
subset_data = df[['hp', 'mpg', 'wt']]
agg_data = subset_data.aggregate(['mean', 'median', 'min', 'max'])

print("Data Info:")
print(df.info())

print("-----")
print("Data summary")
print(df.describe())

print("-----")
print("Quartiles are:")
print(data.quantile([0.25, 0.5, 0.75]))

print("-----")
print("Subset data:")
print(subset_data.head())

print("-----")
print("Aggregate Data:")
print(agg_data)

```

```

ishadpande@Argos:~/Documents/dev/practicals/PS$ /usr/bin/python /home/ishadpande/Documents/dev/practicals/PS/1.py
Data Info:
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 32 entries, 0 to 31
Data columns (total 12 columns):
#   Column  Non-Null Count  Dtype
---  -
0   model   32 non-null      object
1   mpg     32 non-null      float64
2   cyl     32 non-null      int64
3   disp   32 non-null      float64
4   hp      32 non-null      int64
5   drat    32 non-null      float64
6   wt      32 non-null      float64
7   qsec    32 non-null      float64
8   vs      32 non-null      int64
9   am      32 non-null      int64
10  gear    32 non-null      int64
11  carb    32 non-null      int64
dtypes: float64(5), int64(6), object(1)
memory usage: 3.1+ KB
None
-----
Data summary

```

	mpg	cyl	disp	hp	drat	wt	qsec	vs	am	gear	carb
count	32.000000	32.000000	32.000000	32.000000	32.000000	32.000000	32.000000	32.000000	32.000000	32.000000	32.0000
mean	20.090625	6.187500	230.721875	146.687500	3.596563	3.217250	17.848750	0.437500	0.406250	3.687500	2.8125
std	6.026948	1.785922	123.938694	68.562868	0.534679	0.978457	1.786943	0.504016	0.498991	0.737804	1.6152
min	10.400000	4.000000	71.100000	52.000000	2.760000	1.513000	14.500000	0.000000	0.000000	3.000000	1.0000
25%	15.425000	4.000000	120.825000	96.500000	3.080000	2.581250	16.892500	0.000000	0.000000	3.000000	2.0000
50%	19.200000	6.000000	196.300000	123.000000	3.695000	3.325000	17.710000	0.000000	0.000000	4.000000	2.0000
75%	22.800000	8.000000	326.000000	180.000000	3.920000	3.610000	18.900000	1.000000	1.000000	4.000000	4.0000
max	33.900000	8.000000	472.000000	335.000000	4.930000	5.424000	22.900000	1.000000	1.000000	5.000000	8.0000

```

-----
Quartiles are:
0.25    96.5
0.50   123.0
0.75   180.0
Name: hp, dtype: float64
-----
Subset data:
   hp  mpg  wt
0  110  21.0  2.620
1  110  21.0  2.875
2   93  22.8  2.320
3  110  21.4  3.215
4  175  18.7  3.440
-----
Aggregate Data:
      hp      mpg      wt
mean  146.6875  20.090625  3.21725
median 123.0000  19.200000  3.32500
min    52.0000  10.400000  1.51300
max   335.0000  33.900000  5.42400

```