

## EVIDENCIAS LABORATORIO

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### Question #1:

Check the bottom 10 rows of data frame "df".

```
[10]: # Write your code below and press Shift+Enter to execute  
df.tail(10)
```

```
[10]:
```

	0	1	2	3	4	5	6	7	8	9	...	16	17	18	19	20	21	22	23	24	25
195	-1	74	volvo	gas	std	four	wagon	rwd	front	104.3	...	141	mpfi	3.78	3.15	9.5	114	5400	23	28	13415
196	-2	103	volvo	gas	std	four	sedan	rwd	front	104.3	...	141	mpfi	3.78	3.15	9.5	114	5400	24	28	15985
197	-1	74	volvo	gas	std	four	wagon	rwd	front	104.3	...	141	mpfi	3.78	3.15	9.5	114	5400	24	28	16515
198	-2	103	volvo	gas	turbo	four	sedan	rwd	front	104.3	...	130	mpfi	3.62	3.15	7.5	162	5100	17	22	18420
199	-1	74	volvo	gas	turbo	four	wagon	rwd	front	104.3	...	130	mpfi	3.62	3.15	7.5	162	5100	17	22	18950
200	-1	95	volvo	gas	std	four	sedan	rwd	front	109.1	...	141	mpfi	3.78	3.15	9.5	114	5400	23	28	16845
201	-1	95	volvo	gas	turbo	four	sedan	rwd	front	109.1	...	141	mpfi	3.78	3.15	8.7	160	5300	19	25	19045
202	-1	95	volvo	gas	std	four	sedan	rwd	front	109.1	...	173	mpfi	3.58	2.87	8.8	134	5500	18	23	21485
203	-1	95	volvo	diesel	turbo	four	sedan	rwd	front	109.1	...	145	idi	3.01	3.40	23.0	106	4800	26	27	22470
204	-1	95	volvo	gas	turbo	four	sedan	rwd	front	109.1	...	141	mpfi	3.78	3.15	9.5	114	5400	19	25	22625

10 rows × 26 columns

### Question #2:

Find the name of the columns of the dataframe.

```
[16]: # Write your code below and press Shift+Enter to execute  
print(df.columns)
```

```
Index(['symboling', 'normalized-losses', 'make', 'fuel-type', 'aspiration',  
      'num-of-doors', 'body-style', 'drive-wheels', 'engine-location',  
      'wheel-base', 'length', 'width', 'height', 'curb-weight', 'engine-type',  
      'num-of-cylinders', 'engine-size', 'fuel-system', 'bore', 'stroke',  
      'compression-ratio', 'horsepower', 'peak-rpm', 'city-mpg',  
      'highway-mpg', 'price'],  
      dtype='object')
```

## Question #3:

You can select the columns of a dataframe by indicating the name of each column. For example, you can select the three columns as follows:

```
dataframe[['column 1 ',column 2', 'column 3']]
```

Where "column" is the name of the column, you can apply the method ".describe()" to get the statistics of those columns as follows:

```
dataframe[['column 1 ',column 2', 'column 3'] ].describe()
```

Apply the method to ".describe()" to the columns 'length' and 'compression-ratio'.

```
[22]: # Write your code below and press Shift+Enter to execute
df[['length', 'compression-ratio']].describe()
```

```
[22]:
```

	length	compression-ratio
count	201.000000	201.000000
mean	174.200995	10.164279
std	12.322175	4.004965
min	141.100000	7.000000
25%	166.800000	8.600000
50%	173.200000	9.000000
75%	183.500000	9.400000
max	208.100000	23.000000