In [ ]:
```
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# Import the packages that we will be using

import matplotlib.pyplot as plt
import pandas as pd

# Dataset url
url = "/Users/fernando/Pictures/Escul/semanaTec_1/TC1002S/NotebooksProfessor/datasets/

# Load the dataset
dataset = pd.read_csv(url )
```

In [ ]:

In [ ]:
```
#print dataset
dataset
```

Out[ ]:

	5.1	3.5	1.4	0.2	Iris-setosa
0	4.9	3.0	1.4	0.2	Iris-setosa
1	4.7	3.2	1.3	0.2	Iris-setosa
2	4.6	3.1	1.5	0.2	Iris-setosa
3	5.0	3.6	1.4	0.2	Iris-setosa
4	5.4	3.9	1.7	0.4	Iris-setosa
...	...	...	...	...	...
144	6.7	3.0	5.2	2.3	Iris-virginica
145	6.3	2.5	5.0	1.9	Iris-virginica
146	6.5	3.0	5.2	2.0	Iris-virginica
147	6.2	3.4	5.4	2.3	Iris-virginica
148	5.9	3.0	5.1	1.8	Iris-virginica

149 rows × 5 columns

In [ ]:
```
#2 Print the number of rows
#Fila, observacion o registro
nCols = dataset.shape[0]
print(nCols)
```

149

In [ ]:
```
#3 Print the number of columns
nRows = dataset.shape[1]
print(nRows)
```

5

In [ ]:
```
#4 How many observations are for each type of flower?
dataset.loc[6]
dataset['Iris-setosa'].value_counts()
```

Out[ ]:
```
Iris-versicolor    50
Iris-virginica     50
Iris-setosa        49
Name: Iris-setosa, dtype: int64
```

In [ ]:
```
#5 What is the type of data for each value
dataset.dtypes
```

Out[ ]:
```
5.1            float64
3.5            float64
1.4            float64
0.2            float64
Iris-setosa     object
dtype: object
```

In [ ]:
```
#6 What are the units of each variable?
```

Activity: work with the iris dataset

1. Load the iris.csv file in your computer and understand the dataset

1. How many observations (rows) are in total? 149

1. How many variables (columns) are in total? 5 What do they represent? Alto y ancho del petalo, alto y ancho del sepalo y el nombre del tipo de flor

1. How many observations are for each type of flower? Iris-versicolor 50, Iris-virginica 50, Iris-setosa 49

1. What is the type of data for each variable? alto y ancho tanto de petalo como sepalo son float, el nombre del tipo de flor como object

2. What are the units of each variable? el alto y ancho tanto de petalo como sepalo se encuentran en cm, el nombre, no tiene unidades