In [31]:
```
import pandas as pd
```

In [13]:
```
# 2 main data types => Series and DataFrame
series = pd.Series(["BMW", "Toyota", "Honda"])
```

In [14]:
```
series
```

Out[14]:
```
0       BMW
1    Toyota
2     Honda
dtype: object
```

In [15]:
```
# Series -> 1 Dimensional
colours = pd.Series(["white", "red", "blue"])
colours
```

Out[15]:
```
0    white
1      red
2     blue
dtype: object
```

In [17]:
```
# DataFrame -> 2 Dimensional
car_data = pd.DataFrame({"Car Make": series, "Colours": colours})
car_data
```

Out[17]:

	Car Make	Colours
0	BMW	white
1	Toyota	red
2	Honda	blue

In [24]:
```
# Import Data to a Data Frame (Another way of creating a DataFrame)
car_sales = pd.read_csv("data/car-sales.csv")
car_sales
```

Out[24]:

	Make	Colour	Odometer (KM)	Doors	Price
0	Toyota	White	150043	4	$4,000.00
1	Honda	Red	87899	4	$5,000.00
2	Toyota	Blue	32549	3	$7,000.00
3	BMW	Black	11179	5	$22,000.00
4	Nissan	White	213095	4	$3,500.00
5	Toyota	Green	99213	4	$4,500.00
6	Honda	Blue	45698	4	$7,500.00
7	Honda	Blue	54738	4	$7,000.00

	Make	Colour	Odometer (KM)	Doors	Price
8	Toyota	White	60000	4	$6,250.00
9	Nissan	White	31600	4	$9,700.00

In [28]:
```
# Exporting a DataFrame
# index = False => DataFrame already have a index field. So no need to add index field
car_sales.to_csv("data/exported-car-sales.csv",  index = False)
```

In [29]:
```
export_car_sales = pd.read_csv("data/exported-car-sales.csv")
export_car_sales
```

Out[29]:

	Make	Colour	Odometer (KM)	Doors	Price
0	Toyota	White	150043	4	$4,000.00
1	Honda	Red	87899	4	$5,000.00
2	Toyota	Blue	32549	3	$7,000.00
3	BMW	Black	11179	5	$22,000.00
4	Nissan	White	213095	4	$3,500.00
5	Toyota	Green	99213	4	$4,500.00
6	Honda	Blue	45698	4	$7,500.00
7	Honda	Blue	54738	4	$7,000.00
8	Toyota	White	60000	4	$6,250.00
9	Nissan	White	31600	4	$9,700.00

In [ ]:
```

```