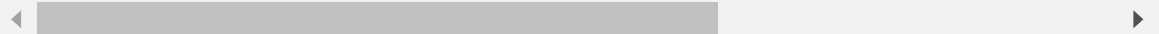


```
In [3]: import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
```

```
In [4]: df = pd.read_csv("C:\\Users\\anitt\\Downloads\\Bank_2.csv")
df.head()
```

```
Out[4]:
```

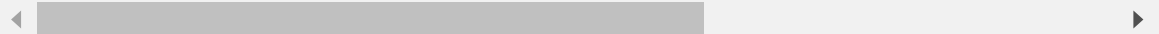
	age;"job";"marital";"education";"default";"balance";"housing";"loan";"contact";"day";"month";"
0	
1	
2	
3	
4	



```
In [5]: df.tail()
```

```
Out[5]:
```

	age;"job";"marital";"education";"default";"balance";"housing";"loan";"contact";"day";"montl
4516	
4517	
4518	
4519	
4520	



```
In [6]: df.shape
```

```
Out[6]: (4521, 1)
```

```
In [7]: df.columns
```

```
Out[7]: Index(['age;"job";"marital";"education";"default";"balance";"housing";"loa
n";"contact";"day";"month";"duration";"campaign";"pdays";"previous";"poutc
ome";"y"', dtype='object')
```


In [8]: df.info()

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 4521 entries, 0 to 4520
Data columns (total 1 columns):
#   Column
Non-Null Count  Dtype
---  -
0   age;"job";"marital";"education";"default";"balance";"housing";"loan";"contact";"day";"month";"duration";"campaign";"pdays";"previous";"poutcome";"y" 4521 non-null object
dtypes: object(1)
memory usage: 35.4+ KB
```

In [9]: df.describe()

Out[9]:

```
age;"job";"marital";"education";"default";"balance";"housing";"loan";"contact";"day";"mo
count
unique
top
freq
```



In [10]: df.isnull().sum()

Out[10]: age;"job";"marital";"education";"default";"balance";"housing";"loan";"contact";"day";"month";"duration";"campaign";"pdays";"previous";"poutcome";"y"  
0  
dtype: int64

In [ ]: