In [ ]:
```
import pandas as pd
import numpy as np
```

In [ ]:
```
file_path2 = "C:\\Users\\POOJA\\Desktop\\Quantium\\Task2"
dataset = pd.read_csv( file_path2 + "\\QVI_data.csv")
```

In [ ]:
```
dataset.head()
```

Out[ ]:

	LYLTY_CARD_NBR	DATE	STORE_NBR	TXN_ID	PROD_NBR	PROD_NAME	PROD_QTY
0	1000	2018-10-17	1	1	5	Natural Chip Compny SeaSalt175g	2
1	1002	2018-09-16	1	2	58	Red Rock Deli Chikn&Garlic Aioli 150g	1
2	1003	2019-03-07	1	3	52	Grain Waves Sour Cream&Chives 210G	1
3	1003	2019-03-08	1	4	106	Natural ChipCo Hony Soy Chckn175g	1
4	1004	2018-11-02	1	5	96	WW Original Stacked Chips 160g	1

In [ ]:
```
total_sales=sum(dataset['TOT_SALES'])
print(total_sales)
```

```
1933114.9999996515
```

In [ ]:
```
dataset.describe()
```

Out[ ]:

	LYLTY_CARD_NBR	STORE_NBR	TXN_ID	PROD_NBR	PROD_QTY	T
count	2.648340e+05	264834.000000	2.648340e+05	264834.000000	264834.000000	2648
mean	1.355488e+05	135.079423	1.351576e+05	56.583554	1.905813	
std	8.057990e+04	76.784063	7.813292e+04	32.826444	0.343436	
min	1.000000e+03	1.000000	1.000000e+00	1.000000	1.000000	
25%	7.002100e+04	70.000000	6.760050e+04	28.000000	2.000000	
50%	1.303570e+05	130.000000	1.351365e+05	56.000000	2.000000	
75%	2.030940e+05	203.000000	2.026998e+05	85.000000	2.000000	
max	2.373711e+06	272.000000	2.415841e+06	114.000000	5.000000	

In [ ]:
```
total_customer = dataset.describe().TXN_ID.max()
print(total_customer)
```

```
2415841.0
```

In [ ]:
```
dataset.shape
transactions=264834
print(transactions)
```

```
264834
```

In [ ]:
```
avg_transaction= total_customer/transactions
print(avg_transaction)
```

```
9.122095350294902
```