from google.colab import files
uploaded= files.upload()



Choose Files QVI_data.csv

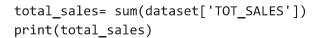
• **QVI_data.csv**(text/csv) - 29019945 bytes, last modified: 6/4/2025 - 100% done Saving QVI_data.csv to QVI_data.csv

```
import pandas as pd
import numpy as np

dataset= pd.read_csv('/content/QVI_data.csv')
dataset
```

_		_
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ī	7	~
-		_

0	1000	2018- 10-17	1	1	5	Natural Chip			
1	1002				O	Compny SeaSalt175g	2		
•		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		
264829	2370701	2018- 12-08	88	240378	24	Grain Waves Sweet Chilli 210g	2		
264830	2370751	2018- 10-01	88	240394	60	Kettle Tortilla ChpsFeta&Garlic 150g	2		
264831	2370961	2018- 10-24	88	240480	70	Tyrrells Crisps Lightly Salted 165g	2		
264832	2370961	2018- 10-27	88	240481	65	Old El Paso Salsa Dip Chnky Tom Ht300g	2		
264833	2373711	2018- 12-14	88	241815	16	Smiths Crinkle Chips Salt & Vinegar 330g	2		
264834 rows	264834 rows × 12 columns								



1933114.9999996515

dataset.describe()

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	_	_
-	<u> </u>	_

	LYLTY_CARD_NBR	STORE_NBR	TXN_ID	PROD_NBR	PROD_QTY	тот_
count	2.648340e+05	264834.000000	2.648340e+05	264834.000000	264834.000000	264834.0
mean	1.355488e+05	135.079423	1.351576e+05	56.583554	1.905813	7.2
std	8.057990e+04	76.784063	7.813292e+04	32.826444	0.343436	2.5
min	1.000000e+03	1.000000	1.000000e+00	1.000000	1.000000	1.5
25%	7.002100e+04	70.000000	6.760050e+04	28.000000	2.000000	5.4
50%	1.303570e+05	130.000000	1.351365e+05	56.000000	2.000000	7.4
75%	2.030940e+05	203.000000	2.026998e+05	85.000000	2.000000	9.2
may	2 373711e+06	272 በበበበበበ	2 4158416+06	114 000000	5 000000	29 F

dataset.shape