

Task-6

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-- If working with SQLite or PostgreSQL:

SELECT

**EXTRACT(YEAR FROM order_date) AS year,
EXTRACT(MONTH FROM order_date) AS month,
SUM(amount) AS total_revenue,
COUNT(DISTINCT order_id) AS total_volume**

FROM

online_sales

WHERE

order_date BETWEEN '2010-01-01' AND '2011-12-31'

GROUP BY

EXTRACT(YEAR FROM order_date), EXTRACT(MONTH FROM order_date)

ORDER BY

year, month;

colab.research.google.com/drive/1f1Ubc74wzRhZjgcElpR7OU7Q1kLgBfrc#scrollTo=9dMCp2lh-Frr

Untitled4.ipynb

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Files

sample_data
README.md
online_retail.csv
online_retail (1).csv
online_retail.csv

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

import pandas as pd

df = pd.read_csv('online_retail.csv') # Replace with your actual file name
df.head()
```

Choose Files online_retail.csv

online_retail.csv(text/csv) - 49543683 bytes, last modified: 7/1/2025 - 100% done

Saving online_retail.csv to online_retail (1).csv

	index	InvoiceNo	StockCode	Description	Quantity	InvoiceDate	UnitPrice	CustomerID	Country
0	0	536365	85123A	WHITE HANGING HEART T-LIGHT HOLDER	6	12/1/2010 8:26	2.55	17850.0	United Kingdom
1	1	536365	71053	WHITE METAL LANTERN	6	12/1/2010 8:26	3.39	17850.0	United Kingdom
2	2	536365	84406B	CREAM CUPID HEARTS COAT HANGER	8	12/1/2010 8:26	2.75	17850.0	United Kingdom
3	3	536365	84029G	KNITTED UNION FLAG HOT WATER BOTTLE	6	12/1/2010 8:26	3.39	17850.0	United Kingdom
4	4	536365	84029E	RED WOOLLY HOTTIE WHITE HEART.	6	12/1/2010 8:26	3.39	17850.0	United Kingdom