```
from google.colab import files

# Upload the file
uploaded = files.upload()
```

```
Choose Files Day_8_sales_data.csv
• Day_8_sales_data.csv(text/csv) - 860 bytes, last modified: 1/24/2025 - 100% done
Saving Day_8_sales_data.csv to Day_8_sales_data.csv
```

```
import pandas as pd
df = pd.read_csv('Day_8_sales_data.csv')
filtered_sales = df[df['Sales'] > 1000]
print("Sales greater than 1000:")
print(filtered_sales)
region_sales = df[df['Region'] == 'East']
print("\nSales records for the East region:")
print(region_sales)
```

```
Sales greater than 1000:
          Date     Product Region    Sales  Profit  Quantity
0   2023-01-02      Tablet   East  1061.81  236.12         7
1   2023-01-06      Laptop  North  1926.07  246.34         8
2   2023-01-03      Tablet   East  1597.99  253.17         3
3   2023-01-20      Tablet  North  1397.99  242.23         1
7   2023-01-07  Smartphone   East  1799.26  364.97         4
8   2023-01-11  Smartphone   West  1401.67  306.24         2
9   2023-01-01      Laptop  North  1562.11  170.72         6
11  2023-01-12      Laptop   West  1954.86  262.16         4
12  2023-01-09     Monitor  North  1748.66  197.62         6
17  2023-01-18     Monitor   West  1287.13  153.86         7
18  2023-01-13      Tablet   West  1147.92  271.88         9

Sales records for the East region:
          Date     Product Region    Sales  Profit  Quantity
0   2023-01-02      Tablet   East  1061.81  236.12         7
2   2023-01-03      Tablet   East  1597.99  253.17         3
6   2023-01-14    Keyboard   East   587.13   82.16         8
7   2023-01-07  Smartphone   East  1799.26  364.97         4
14  2023-01-08      Laptop   East   772.74  226.51         2
```

```
import pandas as pd
df = pd.read_csv('Day_8_sales_data.csv')
df['Profit_Per_Unit'] = df['Profit'] / df['Quantity']
df['High_Sales'] = df['Sales'].apply(lambda x: 'Yes' if x > 1000 else 'No')
print(df)
```

```
          Date     Product Region    Sales  Profit  Quantity  Profit_Per_Unit  \
0   2023-01-02      Tablet   East  1061.81  236.12         7        33.731429
```

1	2023-01-06	Laptop	North	1926.07	246.34	8	30.792500
2	2023-01-03	Tablet	East	1597.99	253.17	3	84.390000
3	2023-01-20	Tablet	North	1397.99	242.23	1	242.230000
4	2023-01-04	Laptop	West	734.03	140.36	4	35.090000
5	2023-01-17	Tablet	North	733.99	188.66	2	94.330000
6	2023-01-14	Keyboard	East	587.13	82.16	8	10.270000
7	2023-01-07	Smartphone	East	1799.26	364.97	4	91.242500
8	2023-01-11	Smartphone	West	1401.67	306.24	2	153.120000
9	2023-01-01	Laptop	North	1562.11	170.72	6	28.453333
10	2023-01-19	Monitor	North	530.88	117.59	6	19.598333
11	2023-01-12	Laptop	West	1954.86	262.16	4	65.540000
12	2023-01-09	Monitor	North	1748.66	197.62	6	32.936667
13	2023-01-10	Smartphone	North	818.51	237.19	2	118.595000
14	2023-01-08	Laptop	East	772.74	226.51	2	113.255000
15	2023-01-05	Keyboard	North	775.11	202.83	4	50.707500
16	2023-01-15	Tablet	North	956.36	153.90	8	19.237500
17	2023-01-18	Monitor	West	1287.13	153.86	7	21.980000
18	2023-01-13	Tablet	West	1147.92	271.88	9	30.208889
19	2023-01-16	Tablet	South	936.84	176.15	8	22.018750

	High_Sales
0	Yes
1	Yes
2	Yes
3	Yes
4	No
5	No
6	No
7	Yes
8	Yes
9	Yes
10	No
11	Yes
12	Yes
13	No
14	No
15	No
16	No
17	Yes
18	Yes
19	No

Start coding or generate with AI.