

```
import pandas as pd
```

```
[39] data={"product":["laptop","phone", "Tablet", "phone", "Tablet"], "Region":["Madurai", "Trichy", "Dindigul", "Trichy", "Madurai"],"Price":[50000, 10000,5000,2000,100000], "sales":[3,
```

```
[40] df=pd.DataFrame(data)
print("Dataset created")
print(df)
```

Dataset created

	product	Region	Price	sales
0	laptop	Madurai	50000	3
1	phone	Trichy	10000	2
2	Tablet	Dindigul	5000	1
3	phone	Trichy	2000	4
4	Tablet	Madurai	100000	2

```
[41] filename="E-shop.xlsx"
df.to_excel(filename,index=False)
print(f"File'{filename}'saved Successfully!")
```

File'E-shop.xlsx'saved Successfully!

```
[42] df_read=pd.read_excel("E-shop.xlsx")
print(df_read)
```

	product	Region	Price	sales
0	laptop	Madurai	50000	3
1	phone	Trichy	10000	2
2	Tablet	Dindigul	5000	1
3	phone	Trichy	2000	4
4	Tablet	Madurai	100000	2

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```
df_read=pd.read_excel("E-shop.xlsx")
print(df_read)
```

	product	Region	Price	sales
0	laptop	Madurai	50000	3
1	phone	Trichy	10000	2
2	Tablet	Dindigul	5000	1
3	phone	Trichy	2000	4
4	Tablet	Madurai	100000	2

```
[43] df["Total revenue "]=df["sales"]*df["Price"]
print(df)
```

	product	Region	Price	sales	Total revenue
0	laptop	Madurai	50000	3	150000
1	phone	Trichy	10000	2	20000
2	Tablet	Dindigul	5000	1	5000
3	phone	Trichy	2000	4	8000
4	Tablet	Madurai	100000	2	200000

```
[44] df_sorted=df.sort_values(by="Total revenue ", ascending=False)
print(df_sorted)
```

	product	Region	Price	sales	Total revenue
4	Tablet	Madurai	100000	2	200000
0	laptop	Madurai	50000	3	150000
1	phone	Trichy	10000	2	20000
3	phone	Trichy	2000	4	8000
2	Tablet	Dindigul	5000	1	5000

```
[45] df_filtered=df_read[df["Total revenue "]>50000]
```

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	product	Region	Price	sales	Total revenue
4	Tablet	Madurai	100000	2	200000
0	laptop	Madurai	50000	3	150000
1	phone	Trichy	10000	2	20000
3	phone	Trichy	2000	4	8000
2	Tablet	Dindigul	5000	1	5000

	product	Region	Price	sales
0	laptop	Madurai	50000	3
4	Tablet	Madurai	100000	2

File 'E-shop.xlsx' saved Successfully!

Start coding or generate with AI.