

22. Lab 2

Table

Product	Region	Date	Sales
Product A	North	01-01-2024	120
Product B	South	02-01-2024	150
Product A	East	03-01-2024	200
Product C	West	04-01-2024	90
Product B	North	05-01-2024	220
Product A	South	06-01-2024	130
Product C	North	07-01-2024	300
Product B	East	08-01-2024	80

Task 1. Sort the dataset alphabetically by the Product name in column A.

	A	B	C	D
1	Product	Region	Date	Sales
2	Product A	North	01-01-2024	120
3	Product A	East	03-01-2024	200
4	Product A	South	06-01-2024	130
5	Product B	South	02-01-2024	150
6	Product B	North	05-01-2024	220
7	Product B	East	08-01-2024	80
8	Product C	West	04-01-2024	90
9	Product C	North	07-01-2024	300

Task 2. Sort the dataset by Sales in descending order.

F	G	H	I
Product	Region	Date	Sales
Product C	North	07-01-2024	300
Product B	North	05-01-2024	220
Product A	East	03-01-2024	200
Product B	South	02-01-2024	150
Product A	South	06-01-2024	130
Product A	North	01-01-2024	120
Product C	West	04-01-2024	90
Product B	East	08-01-2024	80

Task 3. Sort the dataset first by Region in alphabetical order, and then by Sales in ascending order within each Region.

K	L	M	N
Product	Region	Date	Sales
Product B	East	08-01-2024	80
Product C	West	04-01-2024	90
Product A	North	01-01-2024	120
Product A	South	06-01-2024	130
Product B	South	02-01-2024	150
Product A	East	03-01-2024	200
Product B	North	05-01-2024	220
Product C	North	07-01-2024	300

Task 4. Apply a filter to display only the rows where the Product is "Product B".

P	Q	R	S
Product	Region	Date	Sales
Product B	South	02-01-2024	150
Product B	North	05-01-2024	220
Product B	East	08-01-2024	80

Task 5. Apply a filter to display only the rows where the Sales are greater than 150.

U	V	W	X
Product	Region	Date	Sales
Product A	East	03-01-2024	200
Product B	North	05-01-2024	220
Product C	North	07-01-2024	300

Task 6. Apply a filter to display only the rows where the Date is in January 2024.

13	Product	Region	Date	Sales
14	Product A	North	01-01-2024	120
15	Product B	South	02-01-2024	150
16	Product A	East	03-01-2024	200
17	Product C	West	04-01-2024	90
18	Product B	North	05-01-2024	220
19	Product A	South	06-01-2024	130
20	Product C	North	07-01-2024	300
21	Product B	East	08-01-2024	80

Task 7. Sort the dataset first by Date in chronological order, and then by Sales in descending order within each Date.

Product	Region	Date	Sales
Product C	North	07-01-2024	300
Product B	North	05-01-2024	220
Product A	East	03-01-2024	200
Product B	South	02-01-2024	150
Product A	South	06-01-2024	130
Product A	North	01-01-2024	120
Product C	West	04-01-2024	90
Product B	East	08-01-2024	80