You are given a CSV file called **sales\_data.txt** that contains messy sales records:

transaction\_id, product\_name, category, price, quantity, salesman

1001, Laptop, Electronics, 75000, 2, Ali

1002, Shirt, Clothing, 2500, 5, Sara

1003, Mobile, Electronics, 30000, 1, Bilal

1004, Shoes, Clothing, 4000, 2, Sara

1005, Laptop, Electronics, invalid, 1, Ali

1006, Watch, Accessories, 1500, 4, Ayesha

1007, Jacket, Clothing, 8000, invalid, Sara

 **Read the file** safely with exception handling (skip or report invalid rows).

 Compute the **total revenue per salesman** (Revenue = price × quantity).

 **Filter**: Keep only salesmen whose total revenue exceeds **50,000**.

 **Map**: Convert the result into a new structure like:

{"salesman": "Ali", "total\_revenue": "Rs. 150,000"}

(formatted with commas).

 **Write** the results to a new file top\_salesmen.txt.

 Bonus : Sort the salesmen by revenue in descending order before writing.