Unicommerce eSolutions Pvt. Ltd.

Data Set 1: order_data – Orders placed by customers to a vendor corresponding to various items (SKUs)
Data Set 2: category_data – Categories corresponding to different SKUs.

Note: Definition of all columns is mentioned in the data attached.

Q1. Find top 3 selling SKUs and bottom 3 selling SKUs in each category. ***Attach the SQL query used to extract this metric.*** (Exclude SKUs whose category data is missing)

Output Format:

Category_id	*Category_code*	*Top_3_skus*	*Bottom_3_skus*
1	*Pharma*	*qqq, www, eee*	*rrr, ttt, yyy*
2	*Bodycare*	*uuu, ii, oooo*	*aaaa, sss,dd*

Q2. Find total revenue generated corresponding to each category using following pricing data.***Attach the Python/ R code used corresponding to above analysis.***(Exclude SKUs whose category data is missing)

Category_id	**Slab Range for orders**	**Price per order (Rs.)**
1,2	**1-200**	**4**
	201-1000	**2**
	Greater than 1000	**1**
3,4	**1-200**	**10**
	201-1000	**7.5**
	Greater than 1000	**5**
All other category_id	**1-200**	**7**
	201-1000	**5**
	Greater than 1000	**2**

Example: If 700 orders of sku "qqq" which belongs are Category_id 1 are received by the vendor. Then revenue generated from this SKU is: 200*4 + 500*2 = 1800

Output Format:

Category_code	*Revenue (Rs.)*
Pharma	*123456789*
Bodycare	*987654321*

NOTE: In case of any confusion mail your query at ***rakshit.jain@unicommerce.com***