SQL Project - Coded

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Q1. Write a query to display customer full name with their title (mr/ms), both first name and last name are in upper case with customer email id, customer creation date and display customer's category after applying below categorization rules:

    i. If customer creation date year <2005 then category a

    ii. If customer creation date year >=2005 and <2011 then category b

    iii. If customer creation date year>= 2011 then category c

FULL NAME	EMAIL	CREATION DATE	CATEGORY
MS. JENNIFER WILSON	jen_w@gmail.com	1991-06-01	A
MR. JACKSON DAVIS	dave_jack@gmail.com	2001-06-12	A
MS. KOMAL CHOUDHARY	ch_komal@yahoo.co.IN	2002-06-26	A
MR. WILFRED JEAN	w_jean@gmail.com	2006-01-12	B
MS. ANITA GOSWAMI	agoswami@gmail.com	2006-03-13	B

Q2. Write a query to display the following information for the products, which have not been sold: product_id, product_desc, product_quantity_avail, product_price, inventory values(product_quantity_avail*product_price), new_price after applying discount as per the below criteria. Sort the output concerning the decreasing value of inventory_value.

  i. If product price > 20,000 then apply 20% discount

  ii. If product price > 10,000 then apply 15% discount

  iii. If product price =< 10,000 then apply 10% discount

PRODUCT_ ID	DESCRIPTION	QTY AVLBL	PRICE	INVENTORY VALUE	DISCOU NT RATE	NEW PRICE
99999	Samsung Galaxy Tab 2 P3100	50	19300.00	9,65,000	15%	16,405.00
99997	Sony Xperia U (Black White)	50	16499.00	8,24,950	15%	14,024.15
99998	Nikon Coolpix L810 Bridge	50	14987.00	7,49,350	15%	12,738.95
99995	LG MS-2049UW Solo Microwa	100	4800.00	4,80,000	10%	4,320.00
99996	Nokia Asha 200 (Graphite)	100	4070.00	4,07,000	10%	3,663.00

Q3. write a query to display product_class_code, product_class_description, count of product type in each product class, and inventory value (p.product_quantity_avail*p.product_price). Information should be displayed for only those product_class_code that have more than 1,00,000 inventory value. sort the output concerning the decreasing value of inventory_value.

PRODUCT_CLASS_CODE	PRODUCT_CLASS_DESC	PRODUCT COUNT	INVENTORY VALUE
3000	Promotion-High Value	4	25,64,300
2050	Electronics	4	16,65,600
3001	Promotion-Medium Value	3	12,61,900
2055	Mobiles	2	10,92,500
3002	Promotion-Low Value	3	7,49,250

Q4. Write a query to display customer_id, full name, customer_email, customer_phone and country of customers who have cancelled all the orders placed by them.

CUSTOMER_ID	FULL NAME	CUSTOMER_EMAIL	CUSTOMER_PHONE	COUNTRY
8	Neetha Castelina	neetha20@gmail.com	8196236362	India
33	Niseema Zimmer	niseemaz@yahoo.com	8179413840	USA
51	Ahmad Bin Gh Azali	ahmad_bingh@yahoo.co.my	7348292313	Malaysia
34	Hans Zimmer	hans_zimmer@gmail.com	9477272235	USA
41	Tharman Shanmugaratnam	tharshan@yahoo.co.sg	8572898929	Singapore

Q5. Write a query to display shipper name, city to which it is catering, number of customer catered by the shipper in the city and number of consignments delivered to that city for shipper dhl

SHIPPER_NAME	CITY	CUSTOMERS CATERED	CONSIGNMENTS DELIVERED
DHL	Abington	1	1
DHL	Amherst	1	1
DHL	Bangalore	3	5
DHL	Birmingham	1	1
DHL	Brooklyn	1	1

ALL RECORDS FOR Q5

SHIPPER_NAME	CITY	CUSTOMER_ID	CUSTOMER_FNAME	CUSTOMER_LNAME	ORDER_ID
DHL	Abington	24	Brian	Grazer	10036
DHL	Amherst	30	Anita	Kohli	10059
DHL	Bangalore	1	Jennifer	Wilson	10001
DHL	Bangalore	2	Jackson	Davis	10002
DHL	Bangalore	5	Ramya	Ravinder	10003
DHL	Bangalore	5	Ramya	Ravinder	10004
DHL	Bangalore	1	Jennifer	Wilson	10011
DHL	Birmingham	37	James	Newton Howard	10061
DHL	Brooklyn	23	Anna	Pinnock	10027
DHL	Dharmapuri	19	Bharti	Subhash	10034
DHL	Hosur	10	Bidhan	C.Roy	10070
DHL	Hyderabad	11	Vikas	Jha	10018
DHL	Hyderabad	18	Suresh	Babu	10063
DHL	W. Alibio	28	Sayyed	Faraj	10025

Q6. Write a query to display customer id, customer full name, total quantity and total value (quantity*price) shipped where mode of payment is cash and customer last name starts with 'g'

CUSTOMER_ID	FULL NAME	TOTAL QUANTITY	TOTAL VALUE
6	Anita Goswami	25	93,237.00
24	Brian Grazer	4	4,010.00

Q7. Write a query to display order_id and volume of biggest order (in terms of volume) that can fit in carton id 10

ORDER_ID	VOLUME
10064	1,49,88,000

Q8. Write a query to display product_id, product_desc, product_quantity_avail, quantity sold, and show inventory status of products as below as per below condition:

PRODUCT_CLASS_CODE	PRODUCT_CLASS_DESC	QUANTITY AVLBL	QUANTITY SOLD	INVENTORY PERCENT	INVENTORY STATUS
2050	Electronics	347	19	94.5%	SUFFICIENT INVENTORY
2051	Toys	469	38	91.9%	SUFFICIENT INVENTORY
2052	Clothes	1400	49	96.5%	SUFFICIENT INVENTORY
2053	Computer	100	16	84.0%	SUFFICIENT INVENTORY
2054	Books	475	53	88.8%	SUFFICIENT INVENTORY

Q9. Write a query to display product_id, product_desc and total quantity of products which are sold together with product id 201 and are not shipped to city bangalore and new delhi. Display the output in descending order concerning tot_qty.

ORDER_ID	PRODUCT_ID	DESCRIPTION	QUANTITY	CITY
10006	236	Solo Exam SB-01 Writing Pad	5	Mysore
10021	235	Cindy HMPOC Pencil Box (Multicolor)	5	Avon
10006	228	Adidas Analog Watch	3	Mysore
10006	242	GreenWud CT-NO-PR Coffee Table	2	Mysore
10014	216	External Hard Disk 500 GB	2	Mysore

Q10. Write a query to display the order_id,customer_id and customer fullname and total quantity of products shipped for order ids which are even and shipped to address where pincode is not starting with "5"

ORDER_ID	CUSTOMER_ID	FULL NAME	PRODUCT QUANTITY	PINCODE
10008	7	Ashwathi Bhatt	25	110013
10022	23	Anna Pinnock	2	11201
10024	32	Hans Zimmer	2	6776
10028	23	Anna Pinnock	2	11201
10030	52	Suchirithaa Ekanayake	2	20000