Exam Query Jericho Timbol

Schema

Diagram, engineering drawing

Description automatically generated

Perform the following queries. 15 points each

#1 Write a query that shows the total number of orders in each Status ( Created, Manufacturing, etc)

Column names: **status, Num Orders**

Order By status.id

#2 Find how many times each catalog SKU has been ordered. Be sure to show ‘0’ for all SKUs which have not been ordered

Column names: **description num\_sold**

Order By num\_sold, sku

#3 Assume each mug has a production cost of $3.00 Assume shipping cost is $5.00 per order  
 NOTE – this is probably the hardest query in the exam you may want to do it last.   
 Compute our income / Production cost / ship cost for all orders based on the Status of the order.

Columns: **status, income, mugcost, shipcost (** show status.name for “status”)

Order by : status.id

#4 Show the number of sales we have made to every state ( and the district of Columbia)

Columns: **name, num\_sales**

Order By: state.name

#5 We believe that due to a bug, some mugs may have entered in three dog names, when only two were allowed in the catalog entry. IE if the catalog says only two dogs allowed, it is an error for an order\_item to have an entry in name3 or image3. Find the Customer Order number, Sku, and Description for those orders.

Columns: **ordernumber, sku, description**

Order By: ordernumber

#6 Show top 10 mug sales by number sold on 3/12/2021

Columns: **sku, num\_sold**

Order by: num\_sold descending, Catalog.sku

#7 Extra Credit ( max available for this test is 90 points. This question can add 10 points to your score)

Assuming that the dog names / image are always filled from 1 thru 3 in order Provide the number of mugs with 0, 1, 2,and 3 dogs on them

Columns: **NumDogs, NumMugs**

Order By: NumDogs

**First row output for each question:**

Exam 2 Answer Key

#1 print the total number of orders for each status

status | Num Orders

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Created | 3

#2 Find out how many mugs we are using for each catalog entry. Be sure to show those mugs

which are not being used.

description | num\_sold

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mug #56 | 0

< later in the query >

mug #15 | 5

#3 Compute income, cost, shipping cost by customer\_order.status

status | income | mugcost | shipcost

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Created | 107.90 | 42.00 | 15.00

#4 Show the number of sales we have made to each state.

name | num\_sales

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Alabama | 2

#5 Find orders, sku, and description for mugs that have too many dogs.

Any order is acceptable on this one

ordernumber | sku | description

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AJX0005303 | M0000X42 | mug #43

#6 Show top 10 mugs by sales from 3/12/2021

sku | num\_sold

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M0000X16 | 6

#7 extra credit ( 10 points) num mugs for num dogs

mugs | total

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0 | 0