CIS336: Lab 6 Answer Sheet

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## Solution 1:

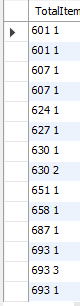
***~Paste your solution query here~***

select concat(order\_id, " ", order\_qty) as TotalItems from order\_details

where order\_id >= 600;

***~Paste your solution query results text here~***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 3 | 15 | 00:33:23 | select concat(order\_id, " ", order\_qty) as TotalItems from order\_details where order\_id >= 600 LIMIT 0, 1000 | 28 row(s) returned | 0.000 sec / 0.000 sec |



## Solution 2:

***~Paste your solution query here~***

select concat(order\_id, " ", order\_qty) as TotalItems from order\_details

where order\_qty > 2;

***~Paste your solution query results text here~***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 3 | 17 | 00:35:09 | select concat(order\_id, " ", order\_qty) as TotalItems from order\_details where order\_qty > 2 LIMIT 0, 1000 | 1 row(s) returned | 0.000 sec / 0.000 sec |



## Solution 3:

***~Paste your solution query here~***

select concat(orders.order\_id, " ", order\_details.item\_id, " ", items.unit\_price, " ", (order\_details.order\_qty \* items.unit\_price)) as Itemtotal from orders

join order\_details

on orders.order\_id = order\_details.order\_id

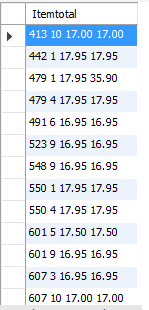
join items

on order\_details.item\_id = items.item\_id

where orders.order\_id > 400 and orders.order\_id < 700;

***~Paste your solution query results text here~***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 3 | 23 | 01:03:04 | select concat(orders.order\_id, " ",  order\_details.item\_id, " ",  items.unit\_price, " ", (order\_details.order\_qty \* items.unit\_price)) as Itemtotal from orders join order\_details on orders.order\_id = order\_details.order\_id join items on order\_details.item\_id = items.item\_id where orders.order\_id > 400 and orders.order\_id < 700 LIMIT 0, 1000 | 23 row(s) returned | 0.000 sec / 0.000 sec |



## Solution 4:

***~Paste your solution query here~***

select order\_details.order\_id, (order\_details.order\_qty \* items.unit\_price) as total from order\_details

join items

on order\_details.item\_id = items.item\_id

where (order\_details.order\_qty \* items.unit\_price) >= 40;

The code is correct however I don’t see a total value for any of the items that are greater than 40. The reason why I know it is correct is that if I change the greater than sign to a less than sign everything shows up. There isn’t anything in the table that would have a value greater than 40 when multiplied by their quantity.

***~Paste your solution query results text here~***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 3 | 47 | 01:14:13 | select order\_details.order\_id, items.unit\_price, (order\_details.order\_qty \* items.unit\_price) as total from order\_details join items on order\_details.item\_id = items.item\_id where concat(order\_details.order\_qty \* items.unit\_price) > 40 LIMIT 0, 1000 | 0 row(s) returned | 0.000 sec / 0.000 sec |

## Solution 5:

***~Paste your solution query here~***

select concat(customers.customer\_first\_name, " ", customers.customer\_last\_name) as Customer, customers.customer\_city, order\_details.order\_id, (order\_details.order\_qty \* items.unit\_price) as total

from orders

join order\_details

on orders.order\_id = order\_details.order\_id

join customers

on orders.customer\_id = customers.customer\_id

join items

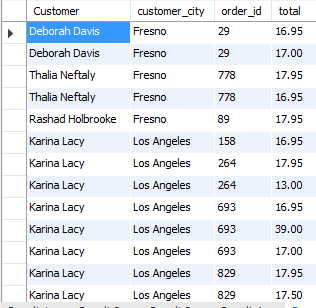
on order\_details.item\_id = items.item\_id

where customers.customer\_state = "CA"

order by customers.customer\_city;

***~Paste your solution query results text here~***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 3 | 77 | 01:25:14 | select concat(customers.customer\_first\_name, " ", customers.customer\_last\_name) as Customer, customers.customer\_city, order\_details.order\_id, (order\_details.order\_qty \* items.unit\_price) as total from orders join order\_details on orders.order\_id = order\_details.order\_id join customers on orders.customer\_id = customers.customer\_id join items on order\_details.item\_id = items.item\_id where customers.customer\_state = "CA" order by customers.customer\_city LIMIT 0, 1000 | 31 row(s) returned | 0.000 sec / 0.000 sec |



## Solution 6:

***~Paste your solution query here~***

select items.title, sum(order\_details.order\_qty) as Quantity, sum(items.unit\_price) as TotalSales

from order\_details

join items

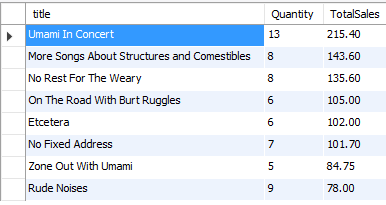
on order\_details.item\_id = items.item\_id

group by items.title

order by sum(items.unit\_price) desc;

***~Paste your solution query results text here~***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 3 | 227 | 02:12:14 | select items.title, sum(order\_details.order\_qty) as Quantity, sum(items.unit\_price) as TotalSales from order\_details join items on order\_details.item\_id = items.item\_id group by items.title order by sum(items.unit\_price) desc LIMIT 0, 1000 | 8 row(s) returned | 0.000 sec / 0.000 sec |



## Solution 7:

***~Paste your solution query here~***

select concat(customers.customer\_first\_name, " ", customers.customer\_last\_name) as customer, sum(items.unit\_price) as Total

from items

join order\_details

on items.item\_id = order\_details.item\_id

join orders

on order\_details.order\_id = orders.order\_id

join customers

on customers.customer\_id = orders.customer\_id

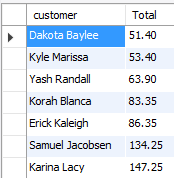
group by customers.customer\_first\_name

having sum(items.unit\_price) > 50

order by sum(items.unit\_price) asc;

***~Paste your solution query results text here~***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 3 | 507 | 02:46:58 | select concat(customers.customer\_first\_name, " ", customers.customer\_last\_name) as customer, sum(items.unit\_price) as Total from items join order\_details on items.item\_id = order\_details.item\_id join orders on order\_details.order\_id = orders.order\_id join customers on customers.customer\_id = orders.customer\_id group by customers.customer\_first\_name having sum(items.unit\_price) > 50 order by sum(items.unit\_price)  asc LIMIT 0, 1000 | 7 row(s) returned | 0.016 sec / 0.000 sec |



## Solution 8:

***~Paste your solution query here~***

select sum(order\_details.order\_qty), artists.artist\_name

from artists

join items

on items.artist\_id = artists.artist\_id

join order\_details

on order\_details.item\_id = items.item\_id

where order\_details.order\_qty in

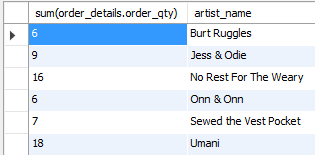
(select order\_details.order\_qty

from order\_details)

group by artists.artist\_name;

***~Paste your solution query results text here~***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 3 | 8 | 13:04:41 | select sum(order\_details.order\_qty), artists.artist\_name from artists join items on items.artist\_id = artists.artist\_id join order\_details on order\_details.item\_id = items.item\_id where order\_details.order\_qty in (select order\_details.order\_qty from order\_details) group by artists.artist\_name LIMIT 0, 1000 | 6 row(s) returned | 0.000 sec / 0.000 sec |



## Solution 9:

***~Paste your solution query here~***

select artists.artist\_name, sum(order\_details.order\_qty \* items.unit\_price) as Total

from artists

join items

on items.artist\_id = artists.artist\_id

join order\_details

on order\_details.item\_id = items.item\_id

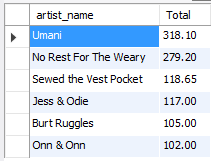
group by artists.artist\_name

order by Total desc

;

***~Paste your solution query results text here~***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 3 | 44 | 13:09:07 | select artists.artist\_name, sum(order\_details.order\_qty \* items.unit\_price) as Total from artists join items on items.artist\_id = artists.artist\_id join order\_details on order\_details.item\_id = items.item\_id group by artists.artist\_name order by Total desc LIMIT 0, 1000 | 6 row(s) returned | 0.000 sec / 0.000 sec |



## Solution 10:

***~Paste your solution query here~***

select items.title, items.unit\_price, round((items.unit\_price + (items.unit\_price \* 0.1)), 2) as Price\_increase

from artists

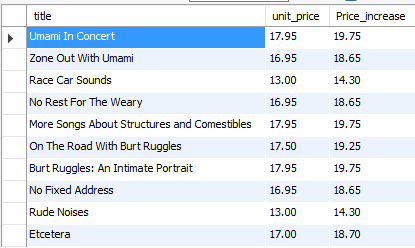
join items

on items.artist\_id = artists.artist\_id

;

***~Paste your solution query results text here~***

|  |  | **Time** | **Action** | **Message** | **Duration / Fetch** |
| --- | --- | --- | --- | --- | --- |
| 3 | 1 | 15:57:50 | select items.title, items.unit\_price, round((items.unit\_price + (items.unit\_price \* 0.1)), 2) as Price\_increase from artists join items on items.artist\_id = artists.artist\_id LIMIT 0, 1000 | 10 row(s) returned | 0.000 sec / 0.000 sec |



## Solution 11:

***~Paste your solution query here~***

select concat(customers.customer\_first\_name, " ", customers.customer\_last\_name) as Customer

from customers

join orders

on orders.customer\_id = customers.customer\_id

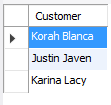
where orders.shipped\_date is null

;

I can’t figure out how to do this one. Every time I try and do a subquery the answer always comes up blank.

***~Paste your solution query results text here~***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 3 | 170 | 16:09:48 | select concat(customers.customer\_first\_name, " ", customers.customer\_last\_name) as Customer from customers join orders on orders.customer\_id = customers.customer\_id where orders.shipped\_date is null LIMIT 0, 1000 | 3 row(s) returned | 0.000 sec / 0.000 sec |



## Solution 12:

***~Paste your solution query here~***

select items.title, sum(order\_details.order\_qty \* items.unit\_price) as TotalSales

from order\_details

join items

on order\_details.item\_id = items.item\_id

join orders

on orders.order\_id = order\_details.order\_id

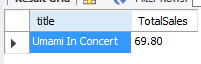
join customers

on orders.customer\_id = customers.customer\_id

where customers.customer\_state = "NY"

***~Paste your solution query results text here~***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 3 | 184 | 16:14:54 | select items.title, sum(order\_details.order\_qty \* items.unit\_price) as TotalSales from order\_details join items on order\_details.item\_id = items.item\_id join orders on orders.order\_id = order\_details.order\_id join customers on orders.customer\_id = customers.customer\_id where customers.customer\_state = "NY" LIMIT 0, 1000 | 1 row(s) returned | 0.000 sec / 0.000 sec |



## Solution 13:

***~Paste your solution query here~***

select items.title, artist\_name

from items

join artists

on items.artist\_id = artists.artist\_id

join order\_details

on order\_details.item\_id = items.item\_id

join orders

on orders.order\_id = order\_details.order\_id

where not exists

(

select items.item\_id

from orders

where order\_details.item\_id is not null

)

I have tried everythin and all I can get to appear is a blank page.

***~Paste your solution query results text here~***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 3 | 319 | 16:35:05 | select items.title, artist\_name from items join artists on items.artist\_id = artists.artist\_id join order\_details on order\_details.item\_id = items.item\_id join orders on orders.order\_id = order\_details.order\_id where not exists ( select items.item\_id     from orders     where order\_details.item\_id is not null ) LIMIT 0, 1000 | 0 row(s) returned | 0.000 sec / 0.000 sec |

## Solution 14:

***~Paste your solution query here~***

select orders.order\_id, orders.order\_date, orders.shipped\_date, (order\_details.order\_qty \* items.unit\_price) as Total

from orders

join order\_details

on orders.order\_id = order\_details.order\_id

join items

on order\_details.item\_id = items.item\_id

join customers

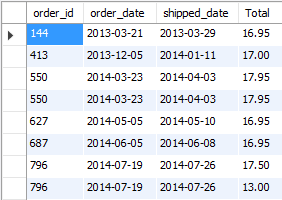
on orders.customer\_id = customers.customer\_id

where customers.customer\_first\_name = "Samuel" and customers.customer\_last\_name = "Jacobsen"

;

***~Paste your solution query results text here~***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 3 | 335 | 16:40:23 | select orders.order\_id, orders.order\_date, orders.shipped\_date, (order\_details.order\_qty \* items.unit\_price) as Total from orders join order\_details on orders.order\_id = order\_details.order\_id join items on order\_details.item\_id = items.item\_id join customers on orders.customer\_id = customers.customer\_id where customers.customer\_first\_name = "Samuel" and customers.customer\_last\_name = "Jacobsen" LIMIT 0, 1000 | 8 row(s) returned | 0.000 sec / 0.000 sec |



## Solution 15:

***~Paste your solution query here~***

select concat(employees.first\_name, " ", employees.last\_name) as Employee, sum(order\_details.order\_qty \* items.unit\_price) as Total

from employees

join orders

on orders.employee\_id = employees.employee\_id

join order\_details

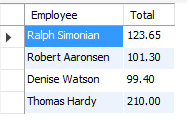
on orders.order\_id = order\_details.order\_id

join items

on order\_details.item\_id = items.item\_id

group by employees.employee\_id;

***~Paste your solution query results text here~***



|  |  | **Time** | **Action** | **Message** | **Duration / Fetch** |
| --- | --- | --- | --- | --- | --- |
| 3 | 1 | 16:47:54 | select concat(employees.first\_name, " ", employees.last\_name) as Employee, sum(order\_details.order\_qty \* items.unit\_price) as Total from employees join orders on orders.employee\_id = employees.employee\_id join order\_details on orders.order\_id = order\_details.order\_id join items on order\_details.item\_id = items.item\_id group by employees.employee\_id LIMIT 0, 1000 | 4 row(s) returned | 0.000 sec / 0.000 sec |