

Comp1168- Lab Test 1

Duration: 50 mins

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Submission Details

Copy everything from this file to a New MS Word document so **it doesn't have a Password**.

Write the SQL queries under each question in MS Word document and submit the MS word document on BrightSpace before the deadline.

You will be marked on two questions out of three. One question is a bonus question (optional)

PAY SPECIAL ATTENTION TO **COLUMN NAMES**.

1. Create and execute a query that returns the invoice numbers, invoice dates and total payment for those invoices only whose total payment was greater than 1000\$ sort the results with respect to the total payment from least to maximum values. [schema: ap]

| invoice_number | invoice_date | payment_total |
|----------------|--------------|---------------|
| 97/222 | 2014-07-25 | 1000.46 |
| Q545443 | 2014-06-09 | 1083.58 |
| 75C-90227 | 2014-06-11 | 1367.50 |
| 31359783 | 2014-06-03 | 1575.00 |
| RTR-72-3662-X | 2014-05-25 | 1600.00 |

-- Q1

```
Select invoice_number, invoice_date, payment_total
from ap.invoices
where payment_total > 1000
order by payment_total ASC;
```

2. Create and execute a query that returns the color id and color name of those colors that have a color name and sort the results with respect to their color name in ascending order. [schema: ex]

| | color_id | color_name |
|---|----------|------------|
| ▶ | 3 | Orange |
| | 2 | Yellow |
| * | NULL | NULL |

-- Q2

```
Select color_id, color_name
from ex.color_sample
Where color_name IS NOT NULL
order by color_name ASC;
```

3. The company is offering 40% discount($.4 * \text{unit price}$) on all the albums by the artist “Burt Ruggles“. Create and execute a query that returns album name, artist name, original price, discount price and price after the discount. [schema om]

| | title | artist | unit_price | discounted_price | total_due |
|---|------------------------------------|--------------|------------|------------------|-----------|
| ▶ | On The Road With Burt Ruggles | Burt Ruggles | 17.50 | 7.00 | 10.50 |
| | Burt Ruggles: An Intimate Portrait | Burt Ruggles | 17.95 | 7.18 | 10.77 |

-- Q3

Select title, artist, unit_price,

Round($0.4 * \text{unit_price}$,2)As discounted_price,

Round($\text{unit_price} - (0.4 * \text{unit_price})$,2)As total_due

from om.items

order by artist ASC;