

SQL1 Answer:

- A. Find the Member ID, first name, last name, phone number and email address for members who live in Windsor.**

```
SELECT
    ID, FirstName, LastName, Phone, email
FROM
    Members
WHERE
    City="Windsor";
```

- B. Modify the member information for Member ID equal to 3137 to your first name, last name, address and email address.**

```
UPDATE
    Members
SET
    FirstName= "hoho", LastName = "ho", Address = "hohoho", email = "hohohoho"
WHERE
    Members.ID=3137;
```

- C. Find the Member first and last name, Member email, service date and service ID for all events that took place in May, 2016.**

```
SELECT
    FirstName, LastName, email, ServiceDate, ServiceID
FROM
    (Members
INNER JOIN
    orders ON Members.ID=orders.MemID)
WHERE
    ServiceDate between #5/1/2016 12:00:00AM# and #5/31/2016 11:59:59PM#;
OR (choose one form)
WHERE ServiceDate LIKE #5/*/2016*#;
```

- D. Find the Service Name, Per Person Charge, Number in Party, Service Date, Member Last Name for the events that had less than 50 people in attendance.**

```
SELECT
    ServiceName, PerPersonCharge, NoInParty, ServiceDate, LastName
FROM
    ((Members
INNER JOIN
    orders ON Members.ID=orders.MemID)
INNER JOIN
    Service ON Service.ServiceID=orders.ServiceID)
WHERE
    NoInParty<50;
```

- E. Find the number of events that you ordered. (Use your name in the query)**

```
SELECT
    COUNT(orders.ServiceID)
FROM
    (Members
INNER JOIN
    orders ON Member.ID=orders.MemID)
WHERE
    LastName="ho" AND FristName="hoho";
```

- F. Find the Member first and last name, Member phone number, Service Date, Location Name, Service Name for all events that were charged less than \$100 per person.**

```
SELECT
    LastName, FirstName, Phone, ServiceDate, [Location Name], ServiceName
FROM
    (((Members
INNER JOIN
    orders ON Members.ID=orders.MemID)
INNER JOIN
    Service ON orders.ServiceID=Service.ServiceID)
INNER JOIN
    Location ON orders.LocationID=Location.ID)
WHERE
    Service.PerPersonCharge<100;
```

SQL2 Answer:

- A. Find the Salesman ID, first name, last name and Social Insurance Number for salespersons who work in Division 4.

```
SELECT
    SalesmanId, FirstName, Lastname, SIN
FROM
    Salesmen Where Division= 4;
```

- B. Modify the member information for Salesman ID equal to 6 to your first name, last name and fake SIN (must be 10 digits) – do NOT use your real SIN.

```
UPDATE
    Salesmen
SET
    LastName="ho", FirstName="hoho", SIN="2376898736"
WHERE
    Salesmanid=6;
```

- C. Find the salespersons first and last name, SIN, Product Description, Product Price and Quantity Sold where total quantity sold is greater than 5.

```
SELECT
    Salesmen.FirstName, Salesmen.LastName, Salesmen.SIN, Products.ProductDescription,
    Products.Price, ProductsSales.QuantitySold
From
    ((Salesmen
INNER JOIN
    ProductsSales ON Salesmen.SalesmanId=ProductsSales.SellerId)
INNER JOIN
    Products ON ProductsSales.ProductId=Products.ProductId)
WHERE
    ProductSales.QuantitySold>5;
```

- D. Find the SalemanID, salespersons first and last name, SIN, Quantity Sold, Unit Price and their total dollars in sales (label this field TotalSales) for each product.

SELECT

Salesmen.SalesmanId, Salesmen.FirstName, Salesmen.LastName, Salesmen.SIN,
ProductsSales.QuantitySold, ProductsSales.UnitSalesPrice
(ProductsSales.QuantitySold*ProductsSales.UnitSalesPrice) AS TotalSales

FROM

(Salesmen

INNER JOIN

ProductsSales ON Salesmen.SalemanId=ProductsSales.SellerId);

- E. Find the salespersons first and last name, SIN, Product SKU, Product Description and Product Price for all Unit Sales Price over \$100.00.

SELECT

Salesmen.FirstName, Salesmen.LastName, Salesmen.SIN, Products.SKU,
Products.ProductDescription, Products.Price

FROM

((Salesmen

INNER JOIN

ProductsSales ON salesmen.SalesmanId=ProductsSales.SellerId)

INNER JOIN

Products ON ProductsSales.ProductId=Products.ProductId)

WHERE

ProductSales.UnitSalesPrice>100.00;

Excel1 Answer:

G6: =C6*\$C\$24+D6*\$C\$25+E6*\$C\$26+F6*\$C\$27

D24: =AVERAGE(C6:C20)

D28: =AVERAGE(G6:G20)

E24: =MAX(C6:C20)

E28: =MAX(G6:G20)

F24: =MIN(C6:C20)

F28: =MIN(G6:G20)

G24: =E24-F24

G28: =E28-F28

C30: =COUNTA(B6:B20)

C31:=COUNTIF(G6:G20, "<50")

C32: =AVERAGEIF(G6:G20,">=50")

Excel2 Answer:

E6: =VLOOKUP(B6,Prices!\$C\$5:\$D\$7,2,FALSE)+C6

F6: =E6*(1+Prices!\$D\$11)

G6: =F6*(1+Prices!\$D\$12)

H6: =G6*(1+Prices!\$D\$13)

K6: =SUMIF(\$D\$6:\$D\$20,K8,\$E\$6:\$E\$20)

L6: =SUMIF(\$D\$6:\$D\$20,L8,\$E\$6:\$E\$20)

M6: =SUMIF(\$D\$6:\$D\$20,M8,\$E\$6:\$E\$20)

K13: =COUNTIF(B6:B20,"Large")

K14: =COUNTIF(B6:B20,"Medium")

K15: =COUNTIF(B6:B20,"Small")

E24: =SUM(E6:E20)

N11: =HLOOKUP(MAX(K7:M7),K7:M8,2,FALSE)