HW1 - Jin Kweon (3032235207)

Jin Kweon

2/16/2018

1. What are the names and addresses of the diveshop customers who are renting masks?

```
SELECT DIVECUST.Name, DIVECUST.STREET, DIVECUST.CITY, DIVECUST.STATE_PROV, DIVECUST.ZIP_POSTAL_CODE, DIVECUST.COUNTRY
        FROM DIVECUST
        JOIN DIVEORDS
                ON DIVEORDS.Customer_No = DIVECUST.Customer_No
        JOIN DIVEITEM
                ON DIVEITEM.Order_No = DIVEORDS.Order_No
        JOIN DIVESTOK
                ON DIVESTOK.Item_No = DIVEITEM.Item_No
        WHERE DIVESTOK.Equipment_Class = "MASK" and DIVEITEM.Rental_Sale = "RENTAL"
;
+-----------------+-----------------------------+-------------+------------+----------------+---------+
| Name            | STREET                      | CITY        | STATE_PROV | ZIP_POSTAL_CODE | COUNTRY |
+-----------------+-----------------------------+-------------+------------+----------------+---------+
| Louis Jazdzewski | 2501 O'Connor              | New Orleans | LA         | 60332          | U.S.A.  |
| Louis Jazdzewski | 2501 O'Connor              | New Orleans | LA         | 60332          | U.S.A.  |
| David Burgett   | 320 Montgomery Street       | Seattle     | WA         | 98105          | U.S.A.  |
| Charles Sekaron | 110 East Park Avenue, Box 8 | Miller      | SD         | 57362          | U.S.A.  |
| Lowell Lutz     | 915 E. Fesler               | Dallas      | TX         | 75043          | U.S.A.  |
| Ken Soule       | 58 Sansome Street           | Aurora      | CO         | 89022          | U.S.A.  |
| Richard Denning | One Hamilton Plaza          | Topeka      | KS         | 66104          | U.S.A.  |
| Michael Leblanc | 4210 Johnson Drive          | Bel Air     | CA         | 90026          | U.S.A.  |
+-----------------+-----------------------------+-------------+------------+----------------+---------+
8 rows in set (0.00 sec)
```

2. What are the names of the wildlife that Mary Rioux might see on her trip. Are there any Shipwrecks there (give names)?

```
SELECT SHIPWRCK.Ship_Name, DIVECUST.Name, BIOLIFE.Category, BIOLIFE.Common_Name, BIOLIFE.Species_Name
FROM DIVECUST
    JOIN DIVEORDS
        ON DIVEORDS.Customer_No = DIVECUST.Customer_No
    JOIN DEST
        ON DEST.Destination_Name = DIVEORDS.Destination
    JOIN SITES
        ON SITES.Destination_No = DEST.Destination_No
    JOIN BIOSITE
        ON BIOSITE.Site_No = SITES.Site_No
    JOIN SHIPWRCK
        ON SHIPWRCK.Site_No = BIOSITE.Site_No
    JOIN BIOLIFE
        ON BIOLIFE.Species_No = BIOSITE.Species_No
WHERE DIVECUST.Name = "MARY RIOUX"
;
```

Ship_Name	Name	Category	Common_Name	Species_Name
F.S.Loop	Mary Rioux	Shark	Swell Shark	Cephaloscyllium ventriosum
F.S.Loop	Mary Rioux	Ray	Bat Ray	Myliobatis californica
F.S.Loop	Mary Rioux	Eel	California Moray	Gymnothorax mordax
F.S.Loop	Mary Rioux	Cod	Lingcod	Ophiodon elongatus
F.S.Loop	Mary Rioux	Sculpin	Cabezon	Scorpaenichthys marmoratus
F.S.Loop	Mary Rioux	Jack	Yellow Jack	Gnathanodon speciousus
F.S.Loop	Mary Rioux	Surfperch	Redtail Surfperch	Amphistichus rhodoterus
F.S.Loop	Mary Rioux	Croaker	White Sea Bass	Atractoscion nobilis
F.S.Loop	Mary Rioux	Greenling	Rock Greenling	Hexagrammos lagocephalus
F.S.Loop	Mary Rioux	Wrasse	Senorita	Oxyjulis californica
F.S.Loop	Mary Rioux	Smelt	Surf Smelt	Hypomesus pretiosus
Gosford	Mary Rioux	Shark	Swell Shark	Cephaloscyllium ventriosum
Gosford	Mary Rioux	Ray	Bat Ray	Myliobatis californica
Gosford	Mary Rioux	Eel	California Moray	Gymnothorax mordax
Gosford	Mary Rioux	Cod	Lingcod	Ophiodon elongatus
Gosford	Mary Rioux	Sculpin	Cabezon	Scorpaenichthys marmoratus
Gosford	Mary Rioux	Jack	Yellow Jack	Gnathanodon speciousus
Gosford	Mary Rioux	Surfperch	Redtail Surfperch	Amphistichus rhodoterus
Gosford	Mary Rioux	Croaker	White Sea Bass	Atractoscion nobilis
Gosford	Mary Rioux	Greenling	Rock Greenling	Hexagrammos lagocephalus
Gosford	Mary Rioux	Wrasse	Senorita	Oxyjulis californica
Gosford	Mary Rioux	Smelt	Surf Smelt	Hypomesus pretiosus
Star of Scotland	Mary Rioux	Shark	Swell Shark	Cephaloscyllium ventriosum
Star of Scotland	Mary Rioux	Ray	Bat Ray	Myliobatis californica
Star of Scotland	Mary Rioux	Eel	California Moray	Gymnothorax mordax
Star of Scotland	Mary Rioux	Cod	Lingcod	Ophiodon elongatus
Star of Scotland	Mary Rioux	Sculpin	Cabezon	Scorpaenichthys marmoratus
Star of Scotland	Mary Rioux	Jack	Yellow Jack	Gnathanodon speciousus
Star of Scotland	Mary Rioux	Surfperch	Redtail Surfperch	Amphistichus rhodoterus
Star of Scotland	Mary Rioux	Croaker	White Sea Bass	Atractoscion nobilis
Star of Scotland	Mary Rioux	Greenling	Rock Greenling	Hexagrammos lagocephalus
Star of Scotland	Mary Rioux	Wrasse	Senorita	Oxyjulis californica
Star of Scotland	Mary Rioux	Smelt	Surf Smelt	Hypomesus pretiosus
USS Moody	Mary Rioux	Shark	Swell Shark	Cephaloscyllium ventriosum
USS Moody	Mary Rioux	Ray	Bat Ray	Myliobatis californica
USS Moody	Mary Rioux	Eel	California Moray	Gymnothorax mordax
USS Moody	Mary Rioux	Cod	Lingcod	Ophiodon elongatus
USS Moody	Mary Rioux	Sculpin	Cabezon	Scorpaenichthys marmoratus
USS Moody	Mary Rioux	Jack	Yellow Jack	Gnathanodon speciousus
USS Moody	Mary Rioux	Surfperch	Redtail Surfperch	Amphistichus rhodoterus
USS Moody	Mary Rioux	Croaker	White Sea Bass	Atractoscion nobilis
USS Moody	Mary Rioux	Greenling	Rock Greenling	Hexagrammos lagocephalus
USS Moody	Mary Rioux	Wrasse	Senorita	Oxyjulis californica
USS Moody	Mary Rioux	Smelt	Surf Smelt	Hypomesus pretiosus
Valiant	Mary Rioux	Shark	Swell Shark	Cephaloscyllium ventriosum
Valiant	Mary Rioux	Ray	Bat Ray	Myliobatis californica
Valiant	Mary Rioux	Eel	California Moray	Gymnothorax mordax
Valiant	Mary Rioux	Cod	Lingcod	Ophiodon elongatus
Valiant	Mary Rioux	Sculpin	Cabezon	Scorpaenichthys marmoratus
Valiant	Mary Rioux	Jack	Yellow Jack	Gnathanodon speciousus
Valiant	Mary Rioux	Surfperch	Redtail Surfperch	Amphistichus rhodoterus
Valiant	Mary Rioux	Croaker	White Sea Bass	Atractoscion nobilis
Valiant	Mary Rioux	Greenling	Rock Greenling	Hexagrammos lagocephalus
Valiant	Mary Rioux	Wrasse	Senorita	Oxyjulis californica
Valiant	Mary Rioux	Smelt	Surf Smelt	Hypomesus pretiosus

55 rows in set (0.00 sec)

Or,

```
SELECT DIVECUST.Name, BIOLIFE.Category, BIOLIFE.Common_Name, BIOLIFE.Species_Name
FROM DIVECUST
    JOIN DIVEORDS
        ON DIVEORDS.Customer_No = DIVECUST.Customer_No
    JOIN DEST
        ON DEST.Destination_Name = DIVEORDS.Destination
    JOIN SITES
        ON SITES.Destination_No = DEST.Destination_No
    JOIN BIOSITE
        ON BIOSITE.Site_No = SITES.Site_No
    JOIN BIOLIFE
        ON BIOLIFE.Species_No = BIOSITE.Species_No
WHERE DIVECUST.Name = "MARY RIOUX"
;
```

```
+------------+-----------+------------------+----------------------------+
| Name       | Category  | Common_Name      | Species_Name               |
+------------+-----------+------------------+----------------------------+
| Mary Rioux | Shark     | Swell Shark      | Cephaloscyllium ventriosum |
| Mary Rioux | Ray       | Bat Ray          | Myliobatis californica     |
| Mary Rioux | Eel       | California Moray  | Gymnothorax mordax         |
| Mary Rioux | Cod       | Lingcod          | Ophiodon elongatus         |
| Mary Rioux | Sculpin   | Cabezon          | Scorpaenichthys marmoratus |
| Mary Rioux | Jack      | Yellow Jack      | Gnathanodon speciousus     |
| Mary Rioux | Surfperch | Redtail Surfperch| Amphistichus rhodoterus    |
| Mary Rioux | Croaker   | White Sea Bass   | Atractoscion nobilis       |
| Mary Rioux | Greenling | Rock Greenling   | Hexagrammos lagocephalus   |
| Mary Rioux | Wrasse    | Senorita         | Oxyjulis californica       |
| Mary Rioux | Smelt     | Surf Smelt       | Hypomesus pretiosus        |
| Mary Rioux | Shark     | Swell Shark      | Cephaloscyllium ventriosum |
| Mary Rioux | Ray       | Bat Ray          | Myliobatis californica     |
| Mary Rioux | Eel       | California Moray  | Gymnothorax mordax         |
| Mary Rioux | Cod       | Lingcod          | Ophiodon elongatus         |
| Mary Rioux | Sculpin   | Cabezon          | Scorpaenichthys marmoratus |
| Mary Rioux | Jack      | Yellow Jack      | Gnathanodon speciousus     |
| Mary Rioux | Surfperch | Redtail Surfperch| Amphistichus rhodoterus    |
| Mary Rioux | Croaker   | White Sea Bass   | Atractoscion nobilis       |
| Mary Rioux | Greenling | Rock Greenling   | Hexagrammos lagocephalus   |
| Mary Rioux | Wrasse    | Senorita         | Oxyjulis californica       |
| Mary Rioux | Smelt     | Surf Smelt       | Hypomesus pretiosus        |
| Mary Rioux | Shark     | Swell Shark      | Cephaloscyllium ventriosum |
| Mary Rioux | Ray       | Bat Ray          | Myliobatis californica     |
| Mary Rioux | Eel       | California Moray  | Gymnothorax mordax         |
| Mary Rioux | Cod       | Lingcod          | Ophiodon elongatus         |
| Mary Rioux | Sculpin   | Cabezon          | Scorpaenichthys marmoratus |
| Mary Rioux | Jack      | Yellow Jack      | Gnathanodon speciousus     |
| Mary Rioux | Surfperch | Redtail Surfperch| Amphistichus rhodoterus    |
| Mary Rioux | Croaker   | White Sea Bass   | Atractoscion nobilis       |
| Mary Rioux | Greenling | Rock Greenling   | Hexagrammos lagocephalus   |
| Mary Rioux | Wrasse    | Senorita         | Oxyjulis californica       |
| Mary Rioux | Smelt     | Surf Smelt       | Hypomesus pretiosus        |
| Mary Rioux | Shark     | Swell Shark      | Cephaloscyllium ventriosum |
| Mary Rioux | Ray       | Bat Ray          | Myliobatis californica     |
| Mary Rioux | Eel       | California Moray  | Gymnothorax mordax         |
| Mary Rioux | Cod       | Lingcod          | Ophiodon elongatus         |
| Mary Rioux | Sculpin   | Cabezon          | Scorpaenichthys marmoratus |
| Mary Rioux | Jack      | Yellow Jack      | Gnathanodon speciousus     |
| Mary Rioux | Surfperch | Redtail Surfperch| Amphistichus rhodoterus    |
| Mary Rioux | Croaker   | White Sea Bass   | Atractoscion nobilis       |
| Mary Rioux | Greenling | Rock Greenling   | Hexagrammos lagocephalus   |
| Mary Rioux | Wrasse    | Senorita         | Oxyjulis californica       |
| Mary Rioux | Smelt     | Surf Smelt       | Hypomesus pretiosus        |
| Mary Rioux | Shark     | Swell Shark      | Cephaloscyllium ventriosum |
| Mary Rioux | Ray       | Bat Ray          | Myliobatis californica     |
| Mary Rioux | Eel       | California Moray  | Gymnothorax mordax         |
| Mary Rioux | Cod       | Lingcod          | Ophiodon elongatus         |
| Mary Rioux | Sculpin   | Cabezon          | Scorpaenichthys marmoratus |
| Mary Rioux | Jack      | Yellow Jack      | Gnathanodon speciousus     |
| Mary Rioux | Surfperch | Redtail Surfperch| Amphistichus rhodoterus    |
| Mary Rioux | Croaker   | White Sea Bass   | Atractoscion nobilis       |
| Mary Rioux | Greenling | Rock Greenling   | Hexagrammos lagocephalus   |
| Mary Rioux | Wrasse    | Senorita         | Oxyjulis californica       |
| Mary Rioux | Smelt     | Surf Smelt       | Hypomesus pretiosus        |
| Mary Rioux | Shark     | Swell Shark      | Cephaloscyllium ventriosum |
| Mary Rioux | Ray       | Bat Ray          | Myliobatis californica     |
| Mary Rioux | Eel       | California Moray  | Gymnothorax mordax         |
| Mary Rioux | Cod       | Lingcod          | Ophiodon elongatus         |
| Mary Rioux | Sculpin   | Cabezon          | Scorpaenichthys marmoratus |
| Mary Rioux | Jack      | Yellow Jack      | Gnathanodon speciousus     |
| Mary Rioux | Surfperch | Redtail Surfperch| Amphistichus rhodoterus    |
| Mary Rioux | Croaker   | White Sea Bass   | Atractoscion nobilis       |
| Mary Rioux | Greenling | Rock Greenling   | Hexagrammos lagocephalus   |
| Mary Rioux | Wrasse    | Senorita         | Oxyjulis californica       |
| Mary Rioux | Smelt     | Surf Smelt       | Hypomesus pretiosus        |
| Mary Rioux | Shark     | Swell Shark      | Cephaloscyllium ventriosum |
| Mary Rioux | Ray       | Bat Ray          | Myliobatis californica     |
| Mary Rioux | Eel       | California Moray  | Gymnothorax mordax         |
| Mary Rioux | Cod       | Lingcod          | Ophiodon elongatus         |
| Mary Rioux | Sculpin   | Cabezon          | Scorpaenichthys marmoratus |
| Mary Rioux | Jack      | Yellow Jack      | Gnathanodon speciousus     |
| Mary Rioux | Surfperch | Redtail Surfperch| Amphistichus rhodoterus    |
| Mary Rioux | Croaker   | White Sea Bass   | Atractoscion nobilis       |
| Mary Rioux | Greenling | Rock Greenling   | Hexagrammos lagocephalus   |
| Mary Rioux | Wrasse    | Senorita         | Oxyjulis californica       |
| Mary Rioux | Smelt     | Surf Smelt       | Hypomesus pretiosus        |
| Mary Rioux | Shark     | Swell Shark      | Cephaloscyllium ventriosum |
| Mary Rioux | Ray       | Bat Ray          | Myliobatis californica     |
| Mary Rioux | Eel       | California Moray  | Gymnothorax mordax         |
| Mary Rioux | Cod       | Lingcod          | Ophiodon elongatus         |
| Mary Rioux | Sculpin   | Cabezon          | Scorpaenichthys marmoratus |
| Mary Rioux | Jack      | Yellow Jack      | Gnathanodon speciousus     |
| Mary Rioux | Surfperch | Redtail Surfperch| Amphistichus rhodoterus    |
| Mary Rioux | Croaker   | White Sea Bass   | Atractoscion nobilis       |
| Mary Rioux | Greenling | Rock Greenling   | Hexagrammos lagocephalus   |
| Mary Rioux | Wrasse    | Senorita         | Oxyjulis californica       |
| Mary Rioux | Smelt     | Surf Smelt       | Hypomesus pretiosus        |
+------------+-----------+------------------+----------------------------+
87 rows in set (0.00 sec)
```

```
SELECT DISTINCT SHIPWRCK.Ship_Name, DIVECUST.Name
FROM DIVECUST
    JOIN DIVEORDS
        ON DIVEORDS.Customer_No = DIVECUST.Customer_No
    JOIN DEST
        ON DEST.Destination_Name = DIVEORDS.Destination
    JOIN SITES
        ON SITES.Destination_No = DEST.Destination_No
    JOIN BIOSITE
        ON BIOSITE.Site_No = SITES.Site_No
    JOIN SHIPWRCK
        ON SHIPWRCK.Site_No = BIOSITE.Site_No
    JOIN BIOLIFE
        ON BIOLIFE.Species_No = BIOSITE.Species_No
WHERE DIVECUST.Name = "MARY RIOUX"
;

+-----------------+------------+
| Ship_Name       | Name       |
+-----------------+------------+
| F.S.Loop        | Mary Rioux |
| Gosford         | Mary Rioux |
| Star of Scotland | Mary Rioux |
| USS Moody       | Mary Rioux |
| Valiant         | Mary Rioux |
+-----------------+------------+
5 rows in set (0.00 sec)
```

3. What sunken ships might be candidates for treasure hunters whose destination is New Jersey?

```
SELECT SHIPWRCK.Ship_Name, DEST.Destination_Name, SHIPWRCK.Interest
FROM SHIPWRCK
    JOIN SITES
        ON SITES.Site_No = SHIPWRCK.Site_No
    JOIN DEST
        ON DEST.Destination_No = SITES.Destination_No
WHERE Destination_Name = "NEW JERSEY" AND SHIPWRCK.Interest = "TREASURE"
;
|
+------------+------------------+----------+
| Ship_Name  | Destination_Name | Interest |
+------------+------------------+----------+
| Lizzie D   | New Jersey       | Treasure |
| Mohawk     | New Jersey       | Treasure |
| R.P. Resor | New Jersey       | Treasure |
| Delaware   | New Jersey       | Treasure |
+------------+------------------+----------+
4 rows in set (0.00 sec)
```

4. Who is paying the maximum amount for single type of rental equipment (use price * quantity to determine amount)?

```
SELECT DIVECUST.Name, SUM(DIVESTOK.Rental_Price * DIVEITEM.Qty)
FROM DIVESTOK
        JOIN DIVEITEM
        ON DIVEITEM.Item_No = DIVESTOK.Item_No
    JOIN DIVEORDS
        ON DIVEORDS.Order_No = DIVEITEM.Order_No
    JOIN DIVECUST
        ON DIVECUST.Customer_No = DIVEORDS.Customer_No
GROUP BY DIVECUST.Name, DIVESTOK.Equipment_Class
HAVING SUM(DIVESTOK.Rental_Price * DIVEITEM.Qty) =
(
    SELECT MAX(AMOUNT_ADDED)
        FROM(
        SELECT DIVECUST.Name, DIVEITEM.Item_No, DIVEITEM.Order_No, DIVESTOK.Equipment_Class, DIVESTOK.Description,
(DIVESTOK.Rental_Price * DIVEITEM.Qty) AS AMOUNT,              SUM(DIVESTOK.Rental_Price * DIVEITEM.Qty) AS AMOUNT_ADDED
                FROM DIVESTOK
                        JOIN DIVEITEM
                        ON DIVEITEM.Item_No = DIVESTOK.Item_No
                JOIN DIVEORDS
                        ON DIVEORDS.Order_No = DIVEITEM.Order_No
                        JOIN DIVECUST
                        ON DIVECUST.Customer_No = DIVEORDS.Customer_No
                GROUP BY DIVECUST.Name, DIVESTOK.Equipment_Class
        ) AS NEW_TABLE
)
;
```

```
+-------------+-------------------------------------------+
| Name        | SUM(DIVESTOK.Rental_Price * DIVEITEM.Qty) |
+-------------+-------------------------------------------+
| Sven Schiro |                                       400 |
+-------------+-------------------------------------------+
1 row in set (0.00 sec)
```

5. At how many sites might you see a "Nassau Grouper"?

```
SELECT COUNT(SITES.Site_Name) as Sites_number
FROM BIOLIFE
        JOIN BIOSITE
        ON BIOSITE.Species_No = BIOLIFE.Species_No
     JOIN SITES
        ON SITES.Site_No = BIOSITE.Site_No
WHERE BIOLIFE.Common_Name = "NASSAU GROUPER"
;


+--------------+
| Sites_number |
+--------------+
|           11 |
+--------------+
1 row in set (0.00 sec)
```

6. What are the names of customers who are paying in cash?

```
SELECT DIVECUST.Name, DIVEORDS.PaymentMethod
FROM DIVECUST
        JOIN DIVEORDS
        ON DIVEORDS.Customer_No = DIVECUST.Customer_No
WHERE DIVEORDS.PaymentMethod = "CASH"
;
```

```
+---------------+---------------+
| Name          | PaymentMethod |
+---------------+---------------+
| Mary Rioux    | Cash          |
| Keith Lucas   | Cash          |
| Marcus Selby  | Cash          |
| Tony Rees     | Cash          |
| Lorraine Vega | Cash          |
+---------------+---------------+
5 rows in set (0.00 sec)
```

7. Produce a list of all equipment being rented for a dive vacation that costs more than \$30000, make the list in descending order of the rental price of the equipment. (I did descending order of literally "rental price", not "rental price * qty")

```
SELECT DIVESTOK.Equipment_Class, DIVESTOK.Description, DIVEITEM.Item_No, DIVEITEM.Order_No, DIVEORDS.VacationCost,
DIVESTOK.Rental_Price
FROM DIVESTOK
        JOIN DIVEITEM
        ON DIVEITEM.Item_No = DIVESTOK.Item_No
    JOIN DIVEORDS
        ON DIVEORDS.Order_No = DIVEITEM.Order_No
WHERE DIVEITEM.Rental_Sale = "RENTAL" AND DIVEORDS.VacationCost > 30000
ORDER BY DIVESTOK.Rental_Price DESC
;
```

```
+-----------------+--------------------------+---------+----------+--------------+--------------+
| Equipment_Class | Description              | Item_No | Order_No | VacationCost | Rental_Price |
+-----------------+--------------------------+---------+----------+--------------+--------------+
| Fins            | Sea Wing Fins - Teal     |   90032 |      331 |        36000 |           12 |
| Mask            | Quad Vision Mask - Teal  |   90025 |      331 |        36000 |           10 |
| Snorkel         | Shotgun 2 Snorkel - Teal |   90012 |      331 |        36000 |            2 |
+-----------------+--------------------------+---------+----------+--------------+--------------+
3 rows in set (0.00 sec)
```

8. Who is renting teal colored equipment? (see DIVESTOK.Description)

```
SELECT DIVESTOK.Description, DIVECUST.Name
FROM DIVECUST
        JOIN DIVEORDS
        ON DIVEORDS.Customer_No = DIVECUST.Customer_No
    JOIN DIVEITEM
        ON DIVEITEM.Order_No = DIVEORDS.Order_No
    JOIN DIVESTOK
        ON DIVESTOK.Item_No = DIVEITEM.Item_No
WHERE DIVEITEM.Rental_Sale = "RENTAL" AND DIVESTOK.Description LIKE '%TEAL%'
;
```

```
+--------------------------+---------------+
| Description              | Name          |
+--------------------------+---------------+
| Tri-Vent Mask - Teal     | David Burgett |
| Shotgun 2 Snorkel - Teal | Ken Soule     |
| Quad Vision Mask - Teal  | Ken Soule     |
| Sea Wing Fins - Teal     | Ken Soule     |
+--------------------------+---------------+
4 rows in set (0.00 sec)
```

9. Which locations have an avg temperature of more than 75 degrees Farenheit and a travel cost of under $4000?

```
SELECT Destination_No, Destination_Name
FROM DEST
WHERE Travel_Cost < 4000 AND Avg_Temp_F > 75
;
```

```
+----------------+------------------+
| Destination_No | Destination_Name |
+----------------+------------------+
|              1 | Cozumel          |
|              5 | Florida          |
+----------------+------------------+
2 rows in set (0.00 sec)
```

10. Make up two queries of your own and run them turn in the queries and the results.

a) I want to get the name and of the wrecked ships where any creatures length is less than 150 cm. Also, since I am not really expert in swimming, I want to make sure that depth is less than 80 feet and want to avoid advanced course.

```
SELECT DISTINCT SHIPWRCK.Ship_Name, SHIPWRCK.Type
FROM SHIPWRCK
        JOIN SITES
        ON SITES.Site_No = SHIPWRCK.Site_No
    JOIN BIOSITE
        ON BIOSITE.Site_No = SITES.Site_No
    JOIN BIOLIFE
        ON BIOLIFE.Species_No = BIOSITE.Species_No
WHERE BIOLIFE.Length_cm < 150 AND SITES.Depth_ft < 90 AND (SITES.Skill_Level = "INTERMEDIATE" OR SITES.Skill_Level = "BEGINNING")
;
```

```
+------------------+--------------------+
| Ship_Name        | Type               |
+------------------+--------------------+
| Delaware         | Steam Freighter    |
| Gosford          | Barque Rigged Sail |
| Lizzie D         | Tug/Rumrunner      |
| Mohawk           | Ocean Liner        |
| Star of Scotland | British Q-boat     |
+------------------+--------------------+
5 rows in set (0.00 sec)
```

b) I want to find a possible Cal student who shipped with either UPS or Fedex and paid with either check or cash.

```
SELECT DIVECUST.Name
FROM DIVEORDS
        JOIN DIVECUST
        ON DIVECUST.Customer_No = DIVEORDS.Customer_No
WHERE DIVECUST.City = "BERKELEY" AND (DIVEORDS.Ship_Via = "UPS" OR DIVEORDS.Ship_Via = "FEDEX") AND (DIVEORDS.PaymentMethod = "CHECK"
OR DIVEORDS.PaymentMethod = "CASH")
;
```

```
+-----------------+
| Name            |
+-----------------+
| Phillip Davoust |
+-----------------+
1 row in set (0.00 sec)
```