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

mysql> SELECT DISTINCT CUST.NAME

-> FROM DIVECUST CUST,DIVEORDS ORD, DIVEITEM ITEM,DIVESTOK STOCK

-> WHERE CUST.CUSTOMER\_NO = ORD.CUSTOMER\_NO AND ORD.ORDER\_NO = ITEM.ORDER\_NO AND ITEM.ITEM\_NO = STOCK.ITEM\_NO AND STOCK.EQUIPMENT\_CLASS = 'Mask';

+------------------+

| NAME |

+------------------+

| Louis Jazdzewski |

| David Burgett |

| Mary Rioux |

| Charles Sekaron |

| Lowell Lutz |

| Ken Soule |

| Richard Denning |

| Michael Leblanc |

+------------------+

8 rows in set (0.01 sec)

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

mysql> -> FROM DIVECUST CUST,DIVEORDS ORD,DEST DEST,SITES SITES,BIOSITE BIOSITE

-> ,BIOLIFE BIOLIFE

-> WHERE CUST.CUSTOMER\_NO = ORD.CUSTOMER\_NO AND ORD.DESTINATION = DEST.DESTINATION\_NAME

-> AND DEST.DESTINATION\_NO = SITES.DESTINATION\_NO AND SITES.SITE\_NO = BIOSITE.SITE\_NO AND BIOSITE.SPECIES\_NO = BIOLIFE.SPECIES\_NO AND CUST.NAME = 'Mary Rioux'

->

-> UNION

->

-> SELECT DISTINCT WRCK.SHIP\_NAME

-> FROM DIVECUST CUST,DIVEORDS ORD,DEST DEST,SITES SITES,SHIPWRCK WRCK

-> WHERE CUST.CUSTOMER\_NO = ORD.CUSTOMER\_NO AND ORD.DESTINATION = DEST.DESTINATION\_NAME

-> AND DEST.DESTINATION\_NO = SITES.DESTINATION\_NO AND SITES.SITE\_NO = WRCK.SITE\_NO

-> AND CUST.NAME = 'Mary Rioux'

-> ;

+-------------------+

| COMMON\_NAME |

+-------------------+

| Swell Shark |

| Bat Ray |

| California Moray |

| Lingcod |

| Cabezon |

| Yellow Jack |

| Redtail Surfperch |

| White Sea Bass |

| Rock Greenling |

| Senorita |

| Surf Smelt |

| F.S.Loop |

| Gosford |

| Star of Scotland |

| USS Moody |

| Valiant |

+-------------------+

16 rows in set (0.01 sec)

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

mysql> SELECT WRCK.SHIP\_NAME

-> FROM DEST DEST,SITES SITES,SHIPWRCK WRCK

-> WHERE DEST.DESTINATION\_NO = SITES.DESTINATION\_NO AND SITES.SITE\_NO = WRCK.SITE\_NO

-> AND DEST.DESTINATION\_NAME = 'New Jersey';

+-------------+

| SHIP\_NAME |

+-------------+

| Lizzie D |

| Great Isaac |

| Mohawk |

| R.P. Resor |

| Delaware |

| Tolten |

+-------------+

6 rows in set (0.00 sec)

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

SELECT CUST.CUSTOMER\_NO,CUST.NAME

-> FROM DIVECUST CUST

-> WHERE CUST.CUSTOMER\_NO = (

->

-> SELECT ORD.CUSTOMER\_NO

-> FROM DIVEORDS ORD

-> WHERE ORD.ORDER\_NO =

->

-> (SELECT ITEM.ORDER\_NO

-> FROM DIVEITEM ITEM,DIVESTOK STOCK

-> WHERE ITEM.ITEM\_NO = STOCK.ITEM\_NO

-> ORDER BY ITEM.QTY\*STOCK.RENTAL\_PRICE DESC

-> LIMIT 1)

->

-> );

+-------------+-------------+

| CUSTOMER\_NO | NAME |

+-------------+-------------+

| 6969 | Sven Schiro |

+-------------+-------------+

1 row in set (0.00 sec)

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

mysql>SELECT COUNT(DISTINCT SITES.SITE\_NO)

-> FROM SITES SITES,BIOSITE BIOSITE

-> ,BIOLIFE BIOLIFE

-> WHERE

-> SITES.SITE\_NO = BIOSITE.SITE\_NO AND BIOSITE.SPECIES\_NO = BIOLIFE.SPECIES\_NO AND BIOLIFE.COMMON\_NAME = 'Nassau Grouper'

-> ;

+-------------------------------+

| COUNT(DISTINCT SITES.SITE\_NO) |

+-------------------------------+

| 11 |

+-------------------------------+

1 row in set (0.00 sec)

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

mysql> SELECT CUST.NAME

-> FROM DIVECUST CUST, DIVEORDS ORD

-> WHERE CUST.CUSTOMER\_NO = ORD.CUSTOMER\_NO

-> AND ORD.PAYMENTMETHOD = 'Cash';

+---------------+

| NAME |

+---------------+

| Mary Rioux |

| Keith Lucas |

| Marcus Selby |

| Tony Rees |

| Lorraine Vega |

+---------------+

5 rows in set (0.00 sec)

1. **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.**

mysql> SELECT

-> ORD.ORDER\_NO, STOCK.DESCRIPTION,STOCK.EQUIPMENT\_CLASS,STOCK.RENTAL\_PRICE

-> FROM DIVEORDS ORD,DIVEITEM ITEM,DIVESTOK STOCK

-> WHERE

-> ORD.ORDER\_NO = ITEM.ORDER\_NO AND ITEM.ITEM\_NO = STOCK.ITEM\_NO

-> AND ORD.VACATIONCOST > 30000

-> ORDER BY STOCK.RENTAL\_PRICE DESC;

+----------+--------------------------+-----------------+--------------+

| ORDER\_NO | DESCRIPTION | EQUIPMENT\_CLASS | RENTAL\_PRICE |

+----------+--------------------------+-----------------+--------------+

| 336 | Titanium Watch - Men's | Instrument | 30 |

| 336 | Titanium Watch - Wm's | Instrument | 30 |

| 331 | Sea Wing Fins - Teal | Fins | 12 |

| 331 | Quad Vision Mask - Teal | Mask | 10 |

| 331 | Shotgun 2 Snorkel - Teal | Snorkel | 2 |

+----------+--------------------------+-----------------+--------------+

5 rows in set (0.00 sec)

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

mysql> SELECT DISTINCT(CUST.NAME)

-> FROM DIVECUST CUST,DIVEORDS ORD,DIVEITEM ITEM, DIVESTOK STOCK

-> WHERE CUST.CUSTOMER\_NO = ORD.CUSTOMER\_NO AND ORD.ORDER\_NO = ITEM.ORDER\_NO

-> AND ITEM.ITEM\_NO = STOCK.ITEM\_NO AND STOCK.DESCRIPTION LIKE '%Teal%'

-> ;

+---------------+

| NAME |

+---------------+

| David Burgett |

| Ken Soule |

+---------------+

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

mysql> SELECT DISTINCT(DEST.DESTINATION\_NAME)

-> FROM DIVEORDS ORD,DEST DEST

-> WHERE ORD.DESTINATION = DEST.DESTINATION\_NAME

-> AND DEST.Avg\_Temp\_F > 75 AND ORD.VACATIONCOST <4000;

+------------------+

| DESTINATION\_NAME |

+------------------+

| Cozumel |

+------------------+

1 row in set (0.00 sec)

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

**I Want to look at what shipping methods do customer prefer to use.**

\* query 1 -

mysql> SELECT ORD.SHIP\_VIA, COUNT( SHIP\_VIA )

-> FROM DIVECUST CUST, DIVEORDS ORD

-> WHERE CUST.CUSTOMER\_NO = ORD.CUSTOMER\_NO

-> GROUP BY ORD.SHIP\_VIA;

+----------+-------------------+

| SHIP\_VIA | COUNT( SHIP\_VIA ) |

+----------+-------------------+

| DHL | 3 |

| Emery | 3 |

| FedEx | 10 |

| UPS | 2 |

| US Mail | 3 |

| Walk In | 4 |

+----------+-------------------+

6 rows in set (0.00 sec)

\* query 2 -

**What are the things in my stock that i need to reorder**

mysql> SELECT STOCK.DESCRIPTION,STOCK.EQUIPMENT\_CLASS,STOCK.ON\_HAND,STOCK.REORDER\_POINT

-> FROM DIVESTOK STOCK

-> WHERE STOCK.ON\_HAND < STOCK.REORDER\_POINT;

+---------------------------+-----------------+---------+---------------+

| DESCRIPTION | EQUIPMENT\_CLASS | ON\_HAND | REORDER\_POINT |

+---------------------------+-----------------+---------+---------------+

| Shotgun 2 Snorkel - Clear | Snorkel | 1 | 2 |

| Tri-Vent Mask - Red | Mask | 10 | 24 |

| Quad Vision Mask - Clear | Mask | 1 | 2 |

+---------------------------+-----------------+---------+---------------+

3 rows in set (0.00 sec)