

## Week 5 Exercises

*If you did not do last week's exercises because you couldn't find the URL, please do them this week!*

### Part 1. Diveshop

Write queries that would use the "diveshop" database to answer the following questions:

- What are the names of the customers who ordered vacations costing over \$20,000. (Join DIVECUST and DIVEORDS tables. Do not add up the cost of different vacations by the same customer.)
  - ```
select DIVECUST.Name
from DIVECUST
join DIVEORDS
  on DIVECUST.Customer_No = DIVEORDS.Customer_No
where DIVEORDS.VacationCost > 20000;
```
- What is the winter temperature in C° at the place where the customer from Michigan ("MI") booked his vacation? (You will need to join DIVECUST, DIVEORDS and DEST tables.)
  - ```
select DEST.Winter_Temp_C
from DEST
  join DIVEORDS on DIVEORDS.Destination_No=DEST.Destination_No
  join DIVECUST on DIVECUST.Customer_No=DIVEORDS.Customer_No
where DIVECUST.State_Prov="MI";
```
- Where can a diver whose skill level is "beginning" see a fish called "Blue Angelfish" while spending not more than \$5,000?
  - ```
select DEST.Destination_Name
from BIOLIFE
  join BIOSITE using (Species_No)
  join SITES using (Site_No)
  join DEST using (Destination_No)
where BIOLIFE.Common_Name="Blue Angelfish"
and SITES.Skill_Level="Beginning"
and DEST.Travel_Cost <= 5000;
```
- What is the name of a customer from San Francisco who ordered a trip that might include a visit to the wrecked ship "Star of Scotland"? (You will need to join five tables. The correct answer is "Barbara Wright".)
  - ```
select SHIPWRCK.Ship_Name, DIVECUST.Name, DIVECUST.City
from SHIPWRCK
  join SITES using (Site_No)
  join DEST using (Destination_No)
  join DIVEORDS using (Destination_No)
  join DIVECUST using (Customer_No)
where SHIPWRCK.Ship_Name="Star of Scotland"
```

and DIVECUST.City="San Francisco";

## **Part 2. M's Database**

Use the database you built for M in last week's exercises, to answer the following questions:

- What is the total value of gadgets currently in possession of agent 007?
- What is the the total value of gadgets lost in all operations involving enemy "SPECTRE"?