

CSCI332 Chapter 3 SQL Queries
Examples of Single-Table SQL Queries Using the SCO database

Salesperson		
Name	Age	Salary
Abel	63	120000
Baker	38	42000
Jones	22	36000
Murphy	42	50000
Smith	59	118000
Abernathy	22	36000

Customer	
Name	City
Abernathy	Miami
Broadway	Charlotte
Office Pro	Charleston
Amalgamated	Charlotte

Orders			
Number	Salesperson	Customer	Amount
100	Abernathy	Abernathy	560
200	Jones	Abernathy	2500
300	Abel	Broadway	480
400	Abel	Office Pro	2500
500	Murphy	Amalgamated	6000
600	Jones	Abernathy	7000
700	Abel	Office Pro	150

We recast this as the following schema

Salesperson (Name, Age, Salary)

Customer (Name, City)

Orders (Number, Salesperson, Customer, Amount)

1. Get details of all Salespersons.
2. Get names and salaries of all Salespersons.
3. Get names of all Salespersons who are at least 50 years old.

4. Get names of all Customers in Miami.
5. Get names of all customers who have placed an order. Do not list the same customer more than once.
6. Get names of all Customers in Miami arranged in alphabetical order.
7. Get names of all Customers in Miami arranged in reverse alphabetical order.
8. Find the total number of orders.
9. Find the average amount of all orders.

10. Find the largest, smallest and average amount of all Abernathy's orders.
11. Find the largest, smallest and average amount of all Abernathy's orders, labelling each column as such.
12. Find the total numbers and average amount of orders per Salesperson
13. For salespersons with at least 2 orders, find the total numbers and average amount of orders per Salesperson