# LAB 01 - SUBMISSION

## Explore the Database

Answer the following questions

In the connections window, expand **Tables.**

1. How many tables have been created? List the names of the created tables.

8 tables created,

-customers

-employees

-offices

-orderdetails

-orders

-payments

-productlines

-products

1. Click on table **customers**. Click on the Data tab near the top of the worksheet. How many rows are there in the table **customers**?

122

1. What SQL statement would return the same results. Write the statement in the .sql file and execute it.   
     
   You will learn how to select rows and columns from a table by writing SQL select statements later in this course.

SELECT \* FROM customers;

1. How many columns does the **customers** table have? List the column names.

13 columns

-CustomerNumber

-CustomerName

-ContactLastname

-ContactFirstname

-Phone

-AddressLine1

-AddressLine2

-City

-State

-Postalcode

-Country

-SalesRepEmployeeNumber

-CredditLimit

1. What is the value of each column in the first row in table **customers**? Write the column name and the column data type in addition to the value.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CustomerNumber** | **CustomerName** | **ContactLastname** | **ContactFirstname** | **Phone** | **AddressLine1** |
| 103 | Atelier graphique | Schmitt | Carine | 40.32.2555 | 54, rue Royale |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **AddressLine2** | **City** | **State** | **Postalcode** | **Country** | **SalesRepEmployeeNumber** | **CredditLimit** |
| (null) | Nantes | (null) | 44000 | France | 1370 | 21000 |

1

1. Write the number of rows and columns for the rest of the tables in your schema. Format it something like the following.

Table Name Rows Columns

\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_\_\_  
\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_\_\_

|  |  |  |
| --- | --- | --- |
| Table Name | Rows | Columns |
| Employees | 23 | 8 |
| Offices | 7 | 9 |
| Orderdetails | 2996 | 5 |
| Orders | 326 | 7 |
| Payments | 273 | 4 |
| Productlines | 7 | 4 |
| Products | 110 | 9 |

1. Right Click on the **orderdetails** table and choose tables/count rows. How many rows does the order details table include?

2996

1. Write the following SQL statement in the new tab.

desc offices;

You can also write

describe offices;

What is the result of the statement execution?

**Name Null? Type**

**OFFICECODE NOT NULL VARCHAR2(10)**

**CITY NOT NULL VARCHAR2(50)**

**PHONE NOT NULL VARCHAR2(50)**

**ADDRESSLINE1 NOT NULL VARCHAR2(50)**

**ADDRESSLINE2 VARCHAR2(50)**

**STATE VARCHAR2(50)**

**COUNTRY NOT NULL VARCHAR2(50)**

**POSTALCODE NOT NULL VARCHAR2(15)**

**TERRITORY NOT NULL VARCHAR2(10)**

1. Type the following statements in, execute them, then briefly describe what the statement is doing!

SELECT \* FROM employees;

SELECT \* FROM customers ORDER BY ContactLastName;

SELECT \* FROM employees;

SELECT \* FROM customer ORDER BY ContactLastName;

**The first statement lists the values ordered by the first column, employeenumber. The second statement lists the values by the order of contactlastname as we told it to do so.**

1. How many constraints does the **products** table have?

11  
  
**Right-click on the gutter and choose ‘Toggle Line Numbers’**

1. Set the font size in the worksheet editor to a size that is best for you. (Hint: Tools/Preferences)

**Tools/Preferences/Code Editor/Fonts/Font Size**