Answer the following questions in the SQL Developer Worksheet area. Use comment blocks for answers that are not running code.

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

1. How many tables have been created? List the names of the created tables. **8 :**

**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.

**select \* From customers;**

1. How many columns does the **customers** table have? List the column names. **13**

**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. 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 |
| 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**
2. 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 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**
2. Find a way to turn on line numbers in the gutter.

**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**