Shape

Description automatically generated with low confidenceExercise 2: Provide answers to Questions 1-8. Support each answer with a relevant screenshot(s)

1. **Accessing and Investigating Data**
   1. Open the browser and sign in to SAS Viya. SAS Drive is displayed by default.
   2. In the upper left corner, click  (**Show list of applications**) and select **Explore and Visualize**. SAS Visual Analytics appears.
   3. Open the **VA1- Practice2.1** report in the **Courses/YVA185/Basics/Practices (HR)** folder.
      1. Click **All Reports**.
      2. Navigate to the **Courses**/**YVA185/Basics/Practices (HR)** folder.
      3. Double-click the **VA1- Practice2.1** report to open it.
   4. View the Data pane and answer the questions.
      * Verify that you are editing the report.
      * In the left pane, click **Data**.

Answer the following questions:

1. How many unique values does **Company** have? **Job Title**?

Hint: View the list of Category data items on the Data pane

**Answer 1:**

**SS1:** Company has 12 unique values. Job Title has 9 unique values.

Graphical user interface, text, application

Description automatically generatedGraphical user interface, text, application

Description automatically generated

1. What is the type (or classification) of **Employee ID**?

Hint: View the list of measure data items on the Data pane.

**Answer 2:**

**SS2: Measure.**

Graphical user interface, application

Description automatically generated

* 1. View the list table of all data items on Page 1 and answer the questions.
     + If necessary, click the **Page 1** tab at the top of the canvas.

The list table should resemble the following:

Table

Description automatically generated

* + - Scroll through the columns and answer the following questions:

3. What is the case of **Employee Country (Upper case /Lower case)**?

**Answer 3:** Lower case

**SS3:**

Table

Description automatically generated

4.Which employee represents sales over the internet or through the catalog?

**Answer 4:**

**SS4:**

Table

Description automatically generated

5.Which data item can be used to determine whether an employee is active (currently employed) or retired (formerly employed)?

**Answer 5:** On the **“**Employee Termination Date tab”, the rows’ empty spaces determine that the employees are currently employed.

**SS5:**

Table

Description automatically generated

View the crosstab of **Department** and **Job Title** on Page 2 and answer the question.

* + - Click the **Page 2** tab at the top of the canvas.
    - View the crosstab and answer the following question:

6.Which department contains the missing job title?

**Answer 6:** Stock & Shipping

**SS6:**

Graphical user interface, table

Description automatically generated

Create an auto chart of **Company** (on the right side of the crosstab) and answer the questions.

* + - In the left pane, click **Data**.
    - Drag **Company** from the Data pane to the right side of the canvas.

Table

Description automatically generated

7. What is the largest company, based on the number of employees? The smallest?

* Hint: **Place your cursor over the bars to see the frequency.**

**Answer 7:** Orion USA is the largest company (120 employees). The smallest?  
Logistics is the smallest company (one employee).

**SS7:**

Chart, bar chart

Description automatically generated

Chart

Description automatically generated

View the measure details (from the Data pane) and answer the questions.

* + - In the left pane, click **Data**.
    - Click  (**Actions**) and select **View measure details**.

The Measure Details table shows the minimum, maximum, average, and sum for each measure.

Table

Description automatically generated

8. What is the minimum total profit generated by an employee? The maximum? The average? The total profit generated by all employees?

**Answer 8:**

What is the minimum total profit generated by an employee? 11.10  
  
The maximum? 19,146,779.62  
  
The average? 109,148.07  
  
The total profit generated by all employees? 70,727,947.65

**SS8:**

Graphical user interface, text, application, chat or text message

Description automatically generated