Diagram

Description automatically generated

Write a query for the following scenario:

1. Spartan Donut Shops would like to notify the employees at the Aurora location (LocationID = 62616) of a new change in protocol. Please identify all employees first and last names that work at this location.

**SELECT E\_Fname, E\_Lname** 🡨 could just be \*

**FROM Employee**

**WHERE LocationID = 62616**

1. Spartan Donuts is having a new promotion. All customers under 18 can have a free donut! Which customers does this promotion apply to?

**SELECT CustomerID, C\_Fname, C\_Lname** <- also could just be \*

**FROM Customer**

**HAS DOB AFTER *(current date but 18 years ago)*** <- WHERE DOB > ‘2003-11-16’

1. A customer is interested in knowing their current reward point total. The customer’s first name is “Casey” and the customer’s last name is “Walters”.

**SELECT PointTotal, C.CustomerID, C\_Fname, F\_Lname, C\_Rewards\_ID**

**FROM RewardsProgram as R**

**JOIN Customer as C ON R.CustomerID = C.CustomerID**

**WHERE C.C\_Fname = “Casey” AND C.C\_Lname = “Walters**

1. A customer forgot their rewards number and they want to know how many points they currently have. All they remember is that there is a 7 in the tens place of their C\_Rewards\_ID (####7#).

**SELECT PointTotal, C\_Rewards\_ID, c.CustomerID, C\_Fname, C\_\_Lname**

**FROM RewardsProgram as r JOIN Customer as c**

**ON c.CustomerID = r.CustomerID**

**WHERE C\_Rewards\_ID = ####7#** <- WHERE C\_Rewards\_ID LIKE “%7\_”

Diagram

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Write a query for the following scenarios:

1. How many projects are going on at this business?

**SELECT Count(\*)** <- \* could be ProjectID

**FROM Project**

**HAS EndDate AFTER (*Today’s Date*) AND StartDate BEFORE (*Today’s Date*)**

**Replace last line with: WHERE EndDate > ‘2021-11-16’ AND StartDate < ‘2016-11-16’**

1. Which projects include employees from the Sales department?

**SELECT \* FROM Project as p**

**JOIN Department as d**

**ON p.Department = d.Department**

**Where p.Department = “Sales”**

1. What is the average length (in hours) of a project at this company?

**SELECT (SUM(MaxHours)/Count(\*)) <- \* could be ProjectID, avg function (avg(MaxHours))**

**FROM Project**

1. What employees from the finance department do not have Jennifer as their supervisor?

**SELECT EmployeeNumber, FirstName, LastName FROM Employee**

**WHERE Supervisor NOT (SELECT Supervisor FROM Employee Where Supervisor = EmployeeNumber AND FirstName = “Jennifer”) AND Department = “Finance”**

1. Display the project’s name, budget code, and start date in order from oldest to most recent start date.

**SELECT ProjectName, BudgetCode, ASC(StartDate)** <- take off ASC() just have Start Date

**FROM Project as p**

**JOIN Department as d ON p.Department = d.Department**

**Order by StartDate**

1. Return all the first and last names of employees that have the letter “M” in their first name.

**SELECT FirstName, LastName**

**FROM Employee**

**WHERE FirstName IN “%M% <- IN should be LIKE**