**Business Intelligence And Data Warehouses**

**Exercise 1- Team 20**

**Hatem Khater-209002799 Moataz Mattar-**

**Amneh Hassan- Samar Kardosh-**

We added 50 records to table SalesOrderHeader.

We have created a Transport table that each employee has a column as a foreign key to it, we can now see for each employee how he go to work (public transport, private, no transport🡪 walking, bicycle…) analysis and HR can now see if they need extra parking spots in the parking lot ,or does our employee harm the environment and pollute the city more.

**1.** **BIM:**

Manual:

**Primary Key**

**Foreign Key**

**Degenerate Dimension**

**Measure**

**2.**

**-Production Fact Table:**

Diagram

Description automatically generatedShows the table about the product, subcategory, model, work order, unit measure and gives the sum of product that is in shopping cart and the order quantity, and how many were rejected and how many are scrapped.

**-Employee Fact Table:**

a fact tabble that can help us collect data about emplyee by for dimentions, Employee by AgeGroup, StateProvince, Department, Territory and tranport type

and we can know for each employee his vacationn hours, sickness hours, average sales per month and average purachase per month,

and group employees by the desired dimentions to meseaure.

Diagram

Description automatically generated

**-Product Sales Fact Table:**

Diagram

Description automatically generated