**Assignment 11**

**1. Construct a star schema data model for a data warehouse for sales made at a chain of stores that operates in many countries. The store is interested in analyzing data based on day of the week, month, season, average temperature that day, city, state, country, price, time of the day, product weight, customer age, gender, store size and years store has been open. Use ERDPlus available on the web for your ERDs.**

**A diagram of a sales fact table

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**2. Write queries for typical analysis of trends in sales data by day of the week, by city and product weight.**

Analysis of trends in sales by day of the day of the week

**A screenshot of a computer

Description automatically generated**

Analysis of trends in sales by city

**A screenshot of a computer

Description automatically generated**

Analysis of trends in sales by product weight

**A screenshot of a computer

Description automatically generated**

**3. Use your ERD to create an Oracle database. Enter data for hundreds of sales into your database.**

CUSTOMER

**A screenshot of a computer

Description automatically generated**

PRODUCT

**A screenshot of a computer

Description automatically generated**

SALES

**A screenshot of a computer

Description automatically generated**

STORE

**A screenshot of a black screen

Description automatically generated**

TIME

**A screenshot of a computer

Description automatically generated**

**4. Write queries for analysis of trends in sales by day of the week, by city and by product weight.**

Analysis of trends by day of the week

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Description automatically generated**

Analysis of trends by city

**A screenshot of a computer

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Analysis of trends by product weight

**A screen shot of a computer

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**5. Show the results of those queries.**

Analysis of trends by day of the week

**A screenshot of a computer

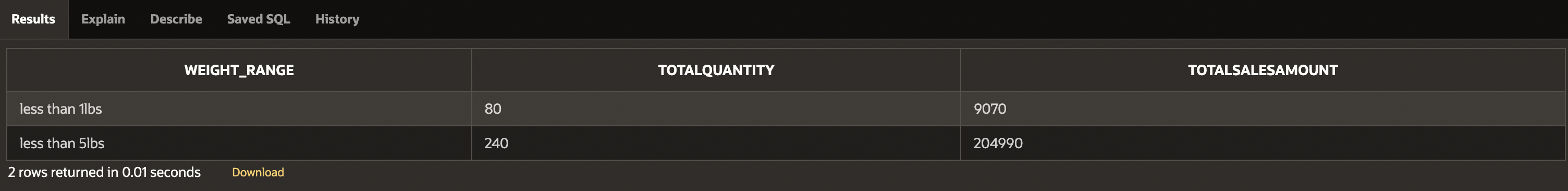
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Analysis of trends by city

**A screenshot of a computer

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Analysis of trends by product weight

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