MODERN DATABASE SYSTEMS LAB 5

RETAIL SALES ANALYTICS PART1

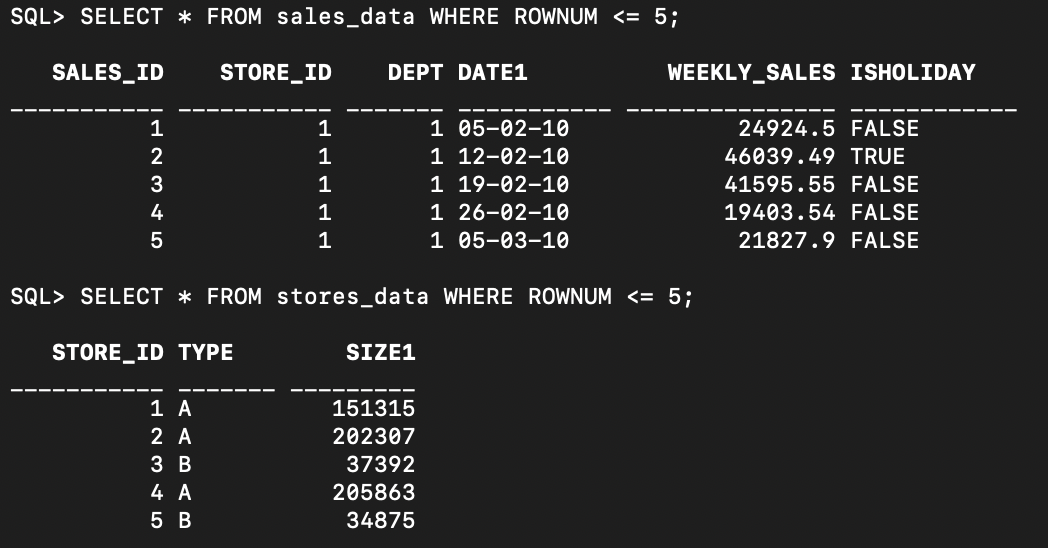
NAME: PAVITHIRAN.V ROLL NO: 235229122

Question 1:

SELECT \* FROM sales\_data WHERE ROWNUM <= 5;

SELECT \* FROM stores\_data WHERE ROWNUM <= 5;

SELECT \* FROM features\_data WHERE ROWNUM <= 5;

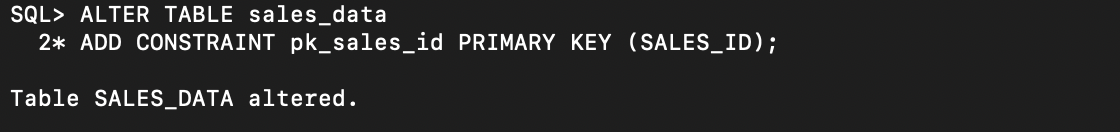




Question 2:

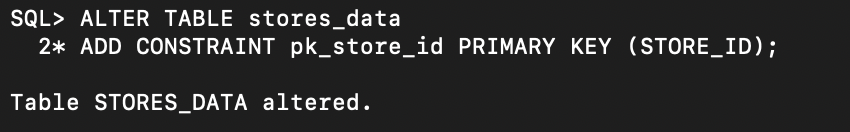
ALTER TABLE sales\_data

ADD CONSTRAINT pk\_sales\_id PRIMARY KEY (SALES\_ID);



ALTER TABLE stores\_data

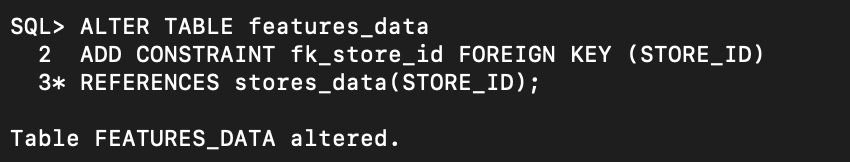
ADD CONSTRAINT pk\_store\_id PRIMARY KEY (STORE\_ID);

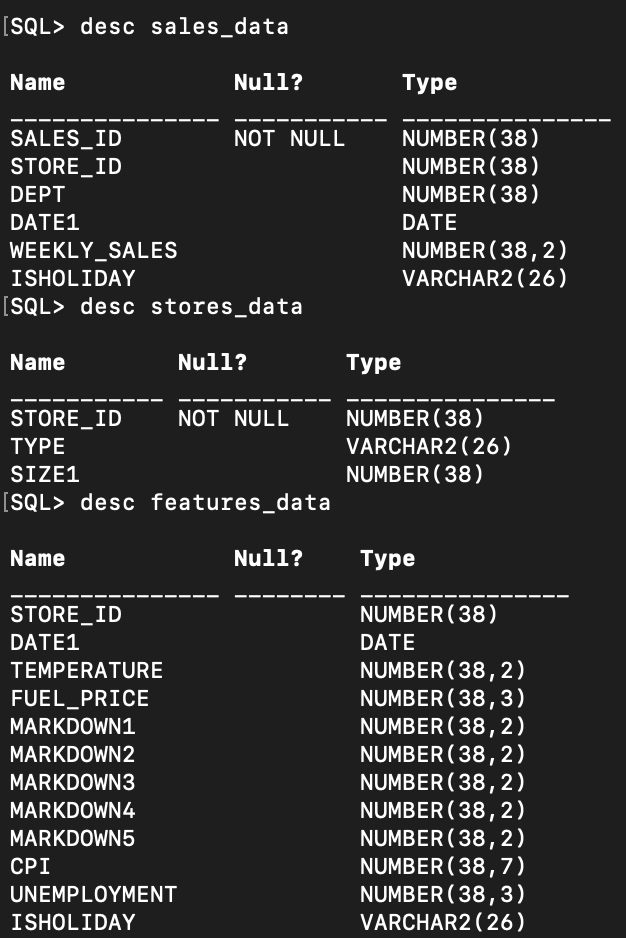


ALTER TABLE features\_data

ADD CONSTRAINT fk\_store\_id FOREIGN KEY (STORE\_ID)

REFERENCES stores\_data(STORE\_ID);





Question 3

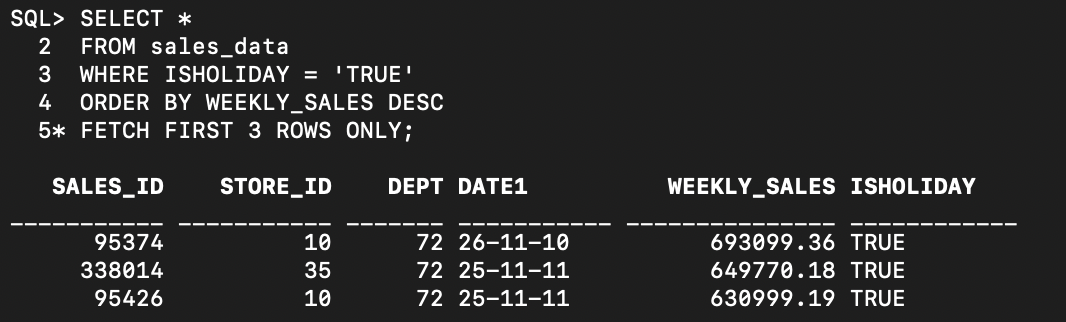
SELECT \*

FROM sales\_data

WHERE ISHOLIDAY = 'TRUE'

ORDER BY WEEKLY\_SALES DESC

FETCH FIRST 3 ROWS ONLY;



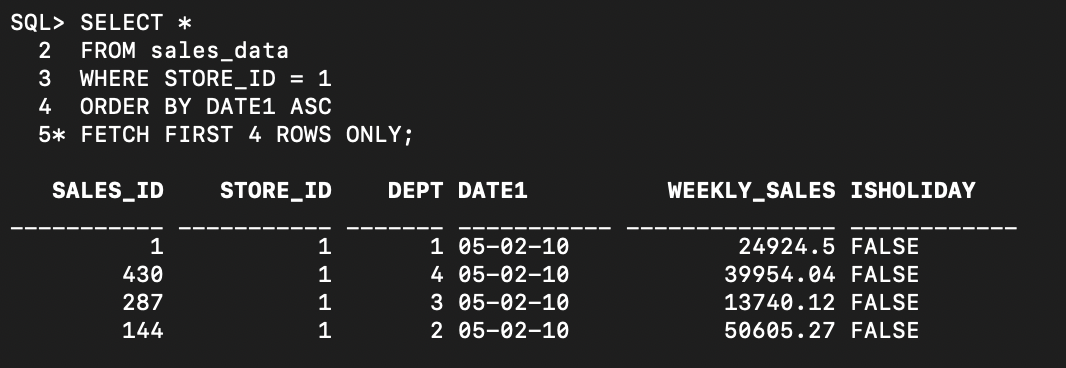
SELECT \*

FROM sales\_data

WHERE STORE\_ID = 1

ORDER BY DATE1 ASC

FETCH FIRST 4 ROWS ONLY;



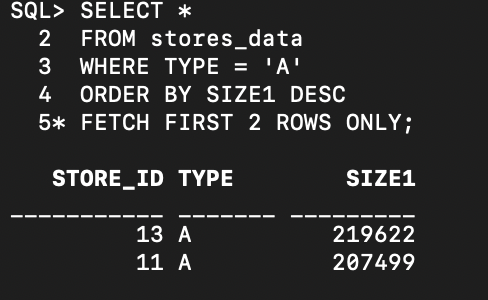
SELECT \*

FROM stores\_data

WHERE TYPE = 'A'

ORDER BY SIZE1 DESC

FETCH FIRST 2 ROWS ONLY;



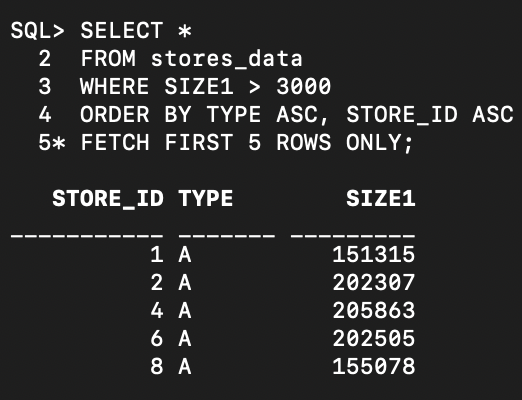
SELECT \*

FROM stores\_data

WHERE SIZE1 > 3000

ORDER BY TYPE ASC, STORE\_ID ASC

FETCH FIRST 5 ROWS ONLY;



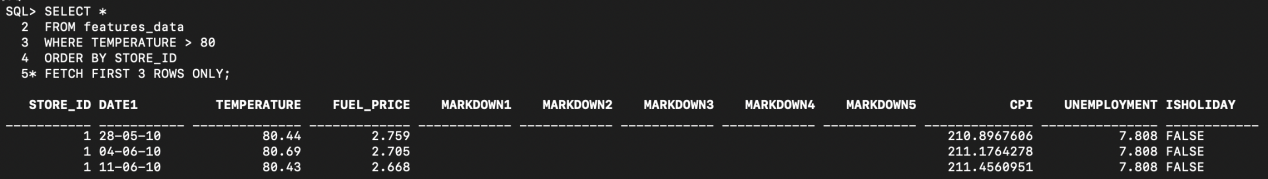
SELECT \*

FROM features\_data

WHERE TEMPERATURE > 80

ORDER BY STORE\_ID

FETCH FIRST 3 ROWS ONLY;



SELECT store\_id ,Date1, temperature

FROM features\_data

WHERE DATE1 = '12-02-2010'

ORDER BY UNEMPLOYMENT DESC

FETCH FIRST 4 ROWS ONLY;

