LAB 4

1).

SQL> desc store_data;

Name	Null?	Type
STORE_ID	NOT NULL	NUMBER(38)
TYPE		VARCHAR2(26)
SIZE36		NUMBER(38)

SQL> desc sales_data;

Name	Null?	Type
SALES_ID	NOT NULL	NUMBER(38)
STORE_ID		NUMBER(38)
DEPT		NUMBER(38)
DATE36		DATE
WEEKLY_SALES		NUMBER(38,2)
ISHOLIDAY		VARCHAR2(26)

SQL> desc features_data;

Name	Null?	Type
STORE_ID		NUMBER(38)
DATE36		DATE
TEMPERATURE		NUMBER(38,2)
FUEL_PRICE		NUMBER(38,3)

MARKDOWN1	NUMBER(38,2)
MARKDOWN2	NUMBER(38,2)
MARKDOWN3	NUMBER(38,2)
MARKDOWN4	NUMBER(38,2)
MARKDOWN5	NUMBER(38,2)
CPI	NUMBER(38,7)
UNEMPLOYMENT	NUMBER(38,3)
ISHOLIDAY	VARCHAR2(26)

2).

SQL> alter table store_data add primary key(store_id);

Table altered.

SQL> alter table features_data add foreign key(store_id) references store_data(store_id);

Table altered.

SQL> alter table sales_data add foreign key(store_id) references store_data(store_id);

Table altered.

3).

SQL> select sales_id,dept from sales_data where sales_id<=30 order by sales_id;

SALES_ID	DEPT
1	1
2	1
3	1
4	1

5	1
6	1
7	1
8	1
9	1
10	1
11	1

SALES_ID	DEPT
12	1
13	1
14	1
15	1
16	1
17	1
18	1
19	1
20	1
21	1
22	1

SALES_ID	DEPT
23	1
24	1
25	1
26	1
27	1
28	1
29	1

30   1

30 rows selected.

SQL> select sales_id,dept,weekly_sales from sales_data where weekly_sales<10 group by sales_id,dept,weekly_sales order by weekly_sales;

SALES_ID	DEPT	WEEKLY_SALES
267731	6	-4988.94
336496	47	-3924
417802	47	-1750
153917	47	-1699
271301	32	-1321.48
16292	47	-1098
16296	47	-1098
16298	47	-1098
24831	32	-1008.96
35562	47	-898
6049	47	-863

SALES_ID	DEPT	WEEKLY_SALES
93574	47	-798
93582	47	-798
93592	47	-798
193326	47	-798
193321	47	-778.5
332895	16	-771.9
273031	47	-705
6050	47	-698
54836	47	-698

6727 rows selected.