

**Database: Medicine Transaction System**

Name of the entity	Attributes	Primary Key
Medicine	Medcode, Medname, Mfgdt, Expdt, Price	Medcode
Dealer	Dcode, Dname, Dloc	Dcode
Bill	Billno, Billamt	Billno
Industry	Indname,, indloc	Indname

**Medicine table:**

Medcode	Medname	Mfgdt	Expdt	Price
M1	GLADIN	12-JAN-07	12-FEB-10	50
M2	CRECIN	20-MAR-07	20-APR-09	100
M3	HEPATOCIN	02-JUN-07	10-MAY-09	150
M4	FERADEX	13-APR-08	12-JUN-10	250
M5	ZINDAG	30-JUN-08	20-MAY-09	300
M6	BETIVITA	10-FEB-08	10-FEB-09	120
M7	CIPROFOX	04-MAR-06	10-APR-09	70
M8	BUTAVON	11-MAY-07	13-JUN-10	35

**Dealer table:**

Dcode	Dname	Dloc
D1	ALPHA	KOLKATA
D2	DELTA	DELHI
D3	LAXMI	PURI

**Industry table:**

Indname	Indloc
ROXY MEDICO	MUMBAI
MORDERN PHARMA	OKHA
DEXOVAN	KOLKATA

**Bill table:**

BillNo	Bill Amt
1100	500
1150	800
1205	1000

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1322	300
1490	900
1798	2000

### Relationship

Relations	PRIMARY KEY	FOREIGN KEY	REFERENCE ENTITY	RELATIONS HIP ATTRIBUT E
RELATES TO	MEDCODE+BILLNO	MEDCODE→BILL_NO	MEDICINE, BILL	BILLDT
SUPPLIES	MEDCODE+DCODE	MECODE→DCODE	MEDICINE,DEALER	NIL
SALES_TO	DCODE+INDNAME	DCODE→INDNAME	DEALER,INDUSTRY	NIL
MFD_BY	MEDCODE+INDNAME	MEDCODE→INDNAME	MEDICINE,INDUSTRY	NIL

### RELATES TO Table:

MEDCODE	BILLNO	BILLDT
M1	1100	10-JAN-08
M7	1100	10-JAN-08
M2	1150	12-FEB-08
M3	1150	12-FEB-08
M1	1205	07-JAN-08
M8	1205	07-JAN-08
M5	1205	07-JAN-08
M6	1798	20-FEB-08
M4	1322	05-FEB-08
M2	1322	05-FEB-08
M3	1322	05-FEB-08
M6	1490	22-DEC-07
M2	1490	22-DEC-07
M1	1490	22-DEC-08

(BILL DATE: WHEN THE MEDICINE WAS SOLD)

### SUPPLIES TABLE:

DECODE	MEDCODE
D1	M1
D1	M4

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D1	M8
D2	M2
D2	M5
D2	M7
D3	M3
D3	M6

### SALES TO:

DCODE	INDNAME
D1	DEXOVAN
D1	MODREN PHARMA
D1	ROXY MEDICO
D2	DEXOVAN
D2	MODERN PHARMA
D2	ROXY MEDICO
D3	DEXOVAN
D3	ROXY MEDICO

### MED BY TABLE:

MEDCODE	INDNAME
M1	ROXY MEDICO
M2	ROXY MEDICO
M3	ROXY MEDICO
M4	MODERN PHARMA
M5	MODREN PHARMA
M6	DEXOVAN
M7	DEXOVAN
M8	DEXOVAN

## QUERIES

- 1) List the medicine details manufactured by DEXOVAN.
- 2) List the dealer name and the dealer location of 'Modern Pharma'
- 3) **List the medicines, which are sold in the month of feb.**
- 4) **List the medicines whose validity is more than two years.**
- 5) List the medicine name, bill amount for the bill number 1205.
- 6) List the date wise sale of medicine.

- 7) List the medicine supplied by dealer D3.
- 8) List the industry wise production of medicine.
- 9) List the medicine details related to highest paid bill.
- 10) List the medicine names of minimum selling medicine.
- 11) List the medicine details that have been manufactured in the month of June.