

## **SARDAR VALLABHBHAI NATIONAL INSTITUTE OF TECHNOLOGY**

### **TEAM MEMBERS :**

<b>ADMISSION NO.</b>	<b>NAME</b>
U20CS020	BHAGAT KABIR DHARMESHKUMAR
U20CS051	SHREYAS SAMEER MAHAJAN
U20CS052	PATEL MITANSHU RAJENDRABHAI
U20CS062	DURGESHKUMAR PRAKASHKUMAR SUTHAR

### **SUBJECT : DATABASE MANAGEMENT SYSTEM**

### **PHARMACY DATABASE**

CREATE TABLE Insurance (

Insurance\_ID number(10) NOT NULL primary key,

Company\_Name varchar(255) NOT NULL,

Start\_Date date NOT NULL,

End\_Date date NOT NULL,

Co\_Insurance number(4) NOT NULL

);

desc insurance;

CREATE TABLE Customer3 (

SSN number(10) ,

PRIMARY KEY (SSN),

First\_Name varchar(25) not null ,

Last\_Name varchar(25) not null ,

Gender varchar(1) not null ,

Address varchar(1000) not null ,

Date\_of\_Birth date not null ,

Insurance\_Id number(10) not null unique ,

phone numeric(10) unique

);

```
desc customer3;
```

```
ALTER TABLE Customer3 ADD CONSTRAINT insures FOREIGN KEY (Insurance_ID)  
REFERENCES Insurance (Insurance_ID) ON DELETE Set null
```

```
;
```

```
INSERT INTO INSURANCE VALUES(1000000001,'METLIFE','02-FEB-2020','01-FEB-2025',1200)
```

```
;
```

```
INSERT INTO INSURANCE VALUES(1000000002,'PROGRESSIVE','02-MAR-2020','01-MAR-  
2025',3500)
```

```
;
```

```
INSERT INTO INSURANCE VALUES(1000000003,'MARSH_MCLENNAN','01-JAN-2019','31-DEC-  
2029',2000)
```

```
;
```

```
INSERT INTO INSURANCE VALUES(1000000004,'METLIFE','22-APR-2020','21-APR-2025',3000)
```

```
;
```

```
INSERT INTO INSURANCE VALUES(1000000005,'MARSH&MCLENNAN','12-SEP-2020','11-SEP-  
2027',5000)
```

```
;
```

```
INSERT INTO INSURANCE VALUES(1000000006,'ALLSTATE','21-JAN-2022','20-JAN-  
2027',7000)
```

```
;
```

```
INSERT INTO INSURANCE VALUES(1000000007,'AFLAC','20-AUG-2021','19-AUG-2026',9000)
```

```
;
```

```
INSERT INTO INSURANCE VALUES(1000000008,'AFLAC','16-JUL-2020','15-FEB-2025',1000)
;
```

```
INSERT INTO INSURANCE VALUES(1000000009,'METLIFE','31-MAR-2019','30-MAR-2024',3400)
;
```

```
INSERT INTO INSURANCE VALUES(1000000010,'MARSH&MCLENNAN','02-FEB-2020','01-FEB-2025',4000)
;
```

```
INSERT INTO CUSTOMER3 VALUES(635655501,'WILL','JACKSON','M','WASHINGTON','12-JUN-1997',1000000001,5556665545)
;
```

```
INSERT INTO CUSTOMER3 VALUES(635655502,'SEAN','ABBOTT','M','IDAHO','10-JAN-1988',1000000002,5556665120)
;
```

```
INSERT INTO CUSTOMER3 VALUES(635655503,'OLIE','RICHARDS','M','WASHINGTON','05-MAR-1987',1000000003,5556666122)
;
```

```
INSERT INTO CUSTOMER3 VALUES(635655504,'SIA','JACKSON','F','KANSAS','09-OCT-1999',1000000004,5556662323)
;
```

```
INSERT INTO CUSTOMER3 VALUES(635655505,'DAWID','WILLEY','M','LOS ANGELES','15-DEC-1994',1000000005,5556661111)
;
```

```
INSERT INTO CUSTOMER3 VALUES(635655506,'CARLOS','BLACKWOOD','M','WYOMING','12-APR-1984',1000000006,5556661200)
```

```
;
```

```
INSERT INTO CUSTOMER3 VALUES(635655507,'MITCHELL','SWEPSON','M','IDAHO','28-NOV-1996',1000000007,5556660000)
```

```
;
```

```
INSERT INTO CUSTOMER3 VALUES(635655508,'JAMES','ANDREW','M','WASHINGTON','11-FEB-2000',1000000008,5556669898)
```

```
;
```

```
INSERT INTO CUSTOMER3 VALUES(635655509,'KANE','RICHARDSON','M','LOS ANGELES','05-JUN-1987',1000000009,5556667899)
```

```
;
```

```
INSERT INTO CUSTOMER3 VALUES(635655510,'SABRINA','WILLIAMS','F','WASHINGTON','07-NOV-2001',1000000010,5556669276)
```

```
;
```

```
CREATE TABLE Employee (
```

```
    ID1          number(5) NOT NULL,
```

```
    SSN          number(10) NOT NULL UNIQUE,
```

```
    License      number(10) UNIQUE,
```

```
    First_Name   varchar(255) NOT NULL,
```

```
    Last_Name    varchar(255) NOT NULL,
```

```
    Start_Date   date NOT NULL,
```

```
    End_Date     date,
```

```
    Role1        varchar(255) NOT NULL,
```

```
    Salary       number(4) NOT NULL,
```

```
    Phone_Number number(10) NOT NULL,
```

```
Date_of_Birth    date NOT NULL,  
PRIMARY KEY (ID1)  
)  
;
```

```
desc employee;
```

```
INSERT INTO EMPLOYEE VALUES(00001,635655511,5555555551,'LIAM','DAWSON','19-JUN-  
2019','','PHARMACIST',5000,5556669999,'23-MAR-1988')  
;
```

```
INSERT INTO EMPLOYEE VALUES(00002,635655512,5555555552,'MICKY','EDWARDS','11-  
JAN-2020','15-FEB-2022','DOCTOR',3000,5556669009,'21-MAY-1992')  
;
```

```
INSERT INTO EMPLOYEE VALUES(00003,635655513,5555555553,'CHRIS','GREEN','15-OCT-  
2018','','CHST',4500,5556661230,'29-MAR-1987')  
;
```

```
INSERT INTO EMPLOYEE  
VALUES(00004,635655514,5555555554,'ALEXANDER','WALTON','06-JUL-  
2018','','CHST',6000,5556664560,'12-MAR-1988')  
;
```

```
INSERT INTO EMPLOYEE VALUES(00005,635655515,5555555555,'NATHAN','STRAUSS','12-  
DEC-2017','','PHARMACIST',2000,5556667890,'06-SEP-1986')  
;
```

```
INSERT INTO EMPLOYEE VALUES(00006,635655516,5555555556,'TIM','TICKNAIR','31-AUG-  
2019','','CASHIER',4700,5556666321,'19-NOV-1990')
```

;

```
INSERT INTO EMPLOYEE VALUES(00007,635655517,5555555557,'JK','LILY','26-JUN-2017','','CASHIER',3900,5556669635,'11-MAY-1989')
```

;

```
INSERT INTO EMPLOYEE VALUES(00008,635655518,5555555558,'BEN','DUCKETT','25-JAN-2021','11-JAN-2022','INTERN',2400,5556661100,'01-APR-1995')
```

;

```
INSERT INTO EMPLOYEE VALUES(00009,635655519,5555555559,'RUSSIE','DUSSEN','05-FEB-2021','31-JAN-2022','INTERN',1200,5556665689,'10-OCT-1996')
```

;

```
INSERT INTO EMPLOYEE VALUES(00010,635655510,5555555560,'ADAM','HITLTON','17-APR-2017','','PHARMACIST',4300,5556661266,'25-AUG-1989')
```

;

```
CREATE TABLE Prescription (  
    Prescription_ID number(10) NOT NULL,  
    SSN number(10) NOT NULL,  
    Doctor_ID number(10) NOT NULL,  
    Prescribed_Date date NOT NULL,  
    PRIMARY KEY (Prescription_ID)
```

)

;

```
desc prescription;
```

ALTER TABLE Prescription ADD CONSTRAINT holds FOREIGN KEY (SSN) REFERENCES  
Customer3 (SSN)

;

INSERT INTO PRESCRIPTION VALUES(1111000001,635655501,0000111101,'20-MAR-2020')

;

INSERT INTO PRESCRIPTION VALUES(1111000002,635655502,0000111102,'19-FEB-2020')

;

INSERT INTO PRESCRIPTION VALUES(1111000003,635655503,0000111103,'18-JAN-2020')

;

INSERT INTO PRESCRIPTION VALUES(1111000004,635655504,0000111104,'01-NOV-2020')

;

INSERT INTO PRESCRIPTION VALUES(1111000005,635655505,0000111105,'03-DEC-2020')

;

INSERT INTO PRESCRIPTION VALUES(1111000006,635655506,0000111106,'26-OCT-2020')

;

INSERT INTO PRESCRIPTION VALUES(1111000007,635655507,0000111107,'25-MAR-2020')

;

INSERT INTO PRESCRIPTION VALUES(1111000008,635655508,0000111108,'02-MAR-2020')

;

INSERT INTO PRESCRIPTION VALUES(1111000009,635655509,0000111109,'20-JAN-2020')

;

```
INSERT INTO PRESCRIPTION VALUES(1111000010,635655510,0000111110,'21-FEB-2020')  
;
```

```
CREATE TABLE Prescribed_Drugs (  
    Prescription_ID    number(10) NOT NULL,  
    Drug_Name          varchar(255) NOT NULL,  
    Prescribed_Quantity number(10) NOT NULL,  
    Refill_Limit       number(10) NOT NULL,  
    PRIMARY KEY (Prescription_ID, Drug_Name)  
)  
;
```

```
DESC PRESCRIBED_DRUGS;
```

```
ALTER TABLE Prescribed_Drugs ADD CONSTRAINT consists FOREIGN KEY (Prescription_ID)  
REFERENCES Prescription(Prescription_ID) ON DELETE Cascade  
;
```

```
INSERT INTO PRESCRIBED_DRUGS VALUES(1111000009,'PARACETOMAL',5,2)  
;
```

```
INSERT INTO PRESCRIBED_DRUGS VALUES(1111000004,'ATORVASTIN',10,3)  
;
```

```
INSERT INTO PRESCRIBED_DRUGS VALUES(1111000005,'LISINOPRIL',12,1)  
;
```



```
INSERT INTO PRESCRIBED_DRUGS VALUES(1111000002,'METOPROLOL',9,3)
;
```

```
INSERT INTO PRESCRIBED_DRUGS VALUES(1111000001,'OMEPRAZOLE',7,4)
;
```

```
CREATE TABLE Orders1 (
    Order_ID      number(10) NOT NULL,
    Prescription_ID number(10) NOT NULL,
    EmployeeID     number(5) NOT NULL,
    Order_Date     date NOT NULL,
    PRIMARY KEY (Order_ID)
)
;
```

```
DESC ORDERS1;
```

```
ALTER TABLE Orders1 ADD CONSTRAINT uses FOREIGN KEY (Prescription_ID) REFERENCES
Prescription (Prescription_ID)
;
```

```
ALTER TABLE Orders1 ADD CONSTRAINT prepares FOREIGN KEY (EmployeeID) REFERENCES
Employee (ID1)
;
```

```
desc orders1;
```

```
INSERT INTO ORDERS1 VALUES(01,1111000009,00001,'16-APR-2022')
```

```
;
```

```
INSERT INTO ORDERS1 VALUES(02,1111000004,00002,'17-APR-2022')
```

```
;
```

```
INSERT INTO ORDERS1 VALUES(03,1111000005,00003,'18-APR-2022')
```

```
;
```

```
INSERT INTO ORDERS1 VALUES(04,1111000002,00004,'19-APR-2022')
```

```
;
```

```
INSERT INTO ORDERS1 VALUES(05,1111000001,00005,'20-APR-2022')
```

```
;
```

```
CREATE TABLE Ordered_Drugs1 (
```

```
    Order_ID      number(10) NOT NULL,
```

```
    Drug_Name     varchar(255) NOT NULL,
```

```
    Batch_Number  number(10) NOT NULL,
```

```
    Ordered_Quantity number(10) NOT NULL,
```

```
    Price         number(2) NOT NULL,
```

```
    PRIMARY KEY (Order_ID, Drug_Name, Batch_Number)
```

```
)
```

```
;
```

```
desc ordered_drugs1;
```

```
ALTER TABLE Ordered_Drugs1 ADD CONSTRAINT contains FOREIGN KEY (Order_ID)
REFERENCES Orders1 (Order_ID) ON DELETE Cascade
```

```
;
```

```
insert into ordered_drugs1 values(01,'PARACETOMAL',04,5,10)
```

```
;
```

```
insert into ordered_drugs1 values(02,'ATORVASTIN',04,10,12)
```

```
;
```

```
insert into ordered_drugs1 values(03,'LISINOPRIL',04,12,20)
```

```
;
```

```
insert into ordered_drugs1 values(04,'METOPROLOL',04,9,15)
```

```
;
```

```
insert into ordered_drugs1 values(05,'OMEPRAZOLE',04,7,10)
```

```
;
```

```
CREATE TABLE Bill (
```

```
    Order_ID      number(10) NOT NULL,
```

```
    CustomerSSN   number(10) NOT NULL,
```

```
    Total_Amount  number(4) NOT NULL,
```

```
    Customer_Payment number(4) NOT NULL,
```

```
    Insurance_Payment number(4) NOT NULL,
```

```
    PRIMARY KEY (Order_ID, CustomerSSN)
```

```
)
```

```
;
```

DESC BILL;

ALTER TABLE Bill ADD CONSTRAINT makes FOREIGN KEY (Order\_ID) REFERENCES Orders1 (Order\_ID)

;

CREATE TABLE Medicine (

Drug\_Name        varchar(255) NOT NULL,

Batch\_Number     number(10) NOT NULL,

MedicineType     varchar(255) NOT NULL,

Manufacturer     varchar(255) NOT NULL,

Stock\_Quantity   number(10) NOT NULL,

Expiry\_Date       date NOT NULL,

Price             number(4) NOT NULL,

PRIMARY KEY (Drug\_Name, Batch\_Number)

)

;

desc medicine;

INSERT INTO MEDICINE VALUES('CROCIN',55,'ANTIOXIDANT','MANUBHAI',90,'12-MAR-2030',15)

;

INSERT INTO MEDICINE VALUES('METACIN',55,'TRANQUILIZERS','KANUBHAI',90,'12-JAN-2030',15)

;

```
INSERT INTO MEDICINE VALUES('ZIMBOVIK',55,'ANTIOXIDANT','RAJUBHAI',90,'12-FEB-2030',18)
```

;

```
INSERT INTO MEDICINE VALUES('PARACETOMAL',55,'ANTI','MANUBHAI',90,'12-MAR-2030',19)
```

;

```
INSERT INTO MEDICINE VALUES('MQURE',55,'ANTIHEAL','KANUBHAI',90,'12-JUN-2030',20)
```

;

```
INSERT INTO MEDICINE VALUES('DEMLTPHERONAL',55,'HWHJFWE','RAJUBHAI',90,'12-DEC-2030',200)
```

;

```
INSERT INTO MEDICINE VALUES('PRERAJULISATION',55,'AJHBSJ','GAJUBHAI',90,'15-MAR-2030',295)
```

;

```
INSERT INTO MEDICINE VALUES('FARHANRITE',55,'ANTIKSBC','MODIBHAI',90,'18-MAR-2030',200)
```

;

```
INSERT INTO MEDICINE VALUES('GKSOIMD',55,'ANTIOXJSCJCS','MADIBHAI',90,'20-MAR-2030',155)
```

;

```
CREATE TABLE Disposed_Drugs (  
    Drug_Name varchar(255) NOT NULL,
```

```
Batch_Number number(10) NOT NULL,  
Quantity number(10) NOT NULL,  
Company varchar(255) NOT NULL,  
PRIMARY KEY (Drug_Name, Batch_Number)  
)  
;
```

```
DESC DISPOSED_DRUGS;
```

```
INSERT INTO Disposed_Drugs VALUES('EFAVIRENZ',69,99,'SINOPHARM')  
;
```

```
INSERT INTO Disposed_Drugs VALUES('RABIES',23,11,'RUSOPHARM')  
;
```

```
INSERT INTO Disposed_Drugs VALUES('COVAXIN',56,86,'INDOPHARM')  
;
```

```
INSERT INTO Disposed_Drugs VALUES('UCERIS',67,76,'MERCK')  
;
```

```
INSERT INTO Disposed_Drugs VALUES('ULTIVA',89,45,'ROCHE')  
;
```

```
INSERT INTO Disposed_Drugs VALUES('OCELLA',45,04,'SINOPHARM')  
;
```

```
INSERT INTO Disposed_Drugs VALUES('OCTAGAM',43,69,'INDOPHARM')  
;
```

```
INSERT INTO Disposed_Drugs VALUES('WELCHOL',20,08,'NOVARTIS')  
;
```

```
INSERT INTO Disposed_Drugs VALUES('WINLEVI',36,12,'PFIZER')  
;
```

```
INSERT INTO Disposed_Drugs VALUES('YONDELIS',99,32,'RUSOPHARM')  
;
```

```
INSERT INTO Disposed_Drugs VALUES('CA-DTPA',89,90,'MERCK')  
;
```

```
INSERT INTO Disposed_Drugs VALUES('ZERIT',12,54,'SINOPHARM')  
;
```

```
INSERT INTO Disposed_Drugs VALUES('MAXAIR',06,56,'PFIZER')  
;
```

```
INSERT INTO Disposed_Drugs VALUES('JEVTANA',65,23,'SINOPHARM')  
;
```

```
INSERT INTO Disposed_Drugs VALUES('LIDOCAINE',77,65,'RUSOPHARM')  
;
```

select \* from insurance;

INSURANCE_ID	COMPANY_NAME	START_DATE	END_DATE	CO_INSURANCE
1000000001	METLIFE	02-FEB-20	01-FEB-25	1200
1000000002	PROGRESSIVE	02-MAR-20	01-MAR-25	3500
1000000003	MARSH_MCLENNAN	01-JAN-19	31-DEC-29	2000
1000000004	METLIFE	22-APR-20	21-APR-25	3000
1000000005	MARSH&MCLENNAN	12-SEP-20	11-SEP-27	5000
1000000006	ALLSTATE	21-JAN-22	20-JAN-27	7000
1000000007	AFLAC	20-AUG-21	19-AUG-26	9000
1000000008	AFLAC	16-JUL-20	15-FEB-25	1000
1000000009	METLIFE	31-MAR-19	30-MAR-24	3400
1000000010	MARSH&MCLENNAN	02-FEB-20	01-FEB-25	4000

[Download CSV](#)

10 rows selected.

select \* from customer3;

SSN	FIRST_NAME	LAST_NAME	GENDER	ADDRESS	DATE_OF_BIRTH	INSURANCE_ID	PHONE
635655501	WILL	JACKSON	M	WASHINGTON	12-JUN-97	1000000001	5556665545
635655502	SEAN	ABBOTT	M	IDAHO	10-JAN-88	1000000002	5556665120
635655503	OLIE	RICHARDS	M	WASHINGTON	05-MAR-87	1000000003	5556666122
635655504	SIA	JACKSON	F	KANSAS	09-OCT-99	1000000004	5556662323
635655505	DAWID	WILLEY	M	LOS ANGELES	15-DEC-94	1000000005	5556661111
635655506	CARLOS	BLACKWOOD	M	WYOMING	12-APR-84	1000000006	5556661200
635655507	MITCHELL	SWEPSON	M	IDAHO	28-NOV-96	1000000007	5556660000
635655508	JAMES	ANDREW	M	WASHINGTON	11-FEB-00	1000000008	5556669898
635655509	KANE	RICHARDSON	M	LOS ANGELES	05-JUN-87	1000000009	5556667899
635655510	SABRINA	WILLIAMS	F	WASHINGTON	07-NOV-01	1000000010	5556669276

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10 rows selected.



select \* from employee;

ID1	SSN	LICENSE	FIRST_NAME	LAST_NAME	START_DATE	END_DATE	ROLE1	SALARY	PHONE_NUMBER	DATE_OF_BIRTH
1	635655511	5555555551	LIAM	DAWSON	19-JUN-19	-	PHARMACIST	5000	5556669999	23-MAR-88
2	635655512	5555555552	MICKY	EDWARDS	11-JAN-20	15-FEB-22	DOCTOR	3000	5556669009	21-MAY-92
3	635655513	5555555553	CHRIS	GREEN	15-OCT-18	-	CHST	4500	5556661230	29-MAR-87
4	635655514	5555555554	ALEXANDER	WALTON	06-JUL-18	-	CHST	6000	5556664560	12-MAR-88
5	635655515	5555555555	NATHAN	STRAUSS	12-DEC-17	-	PHARMACIST	2000	5556667890	06-SEP-86
6	635655516	5555555556	TIM	TICKNAIR	31-AUG-19	-	CASHIER	4700	5556666321	19-NOV-90
7	635655517	5555555557	JK	LILY	26-JUN-17	-	CASHIER	3900	5556669635	11-MAY-89
8	635655518	5555555558	BEN	DUCKETT	25-JAN-21	11-JAN-22	INTERN	2400	5556661100	01-APR-95
9	635655519	5555555559	RUSSIE	DUSSEN	05-FEB-21	31-JAN-22	INTERN	1200	5556665689	10-OCT-96
10	635655510	5555555560	ADAM	HITLTON	17-APR-17	-	PHARMACIST	4300	5556661266	25-AUG-89

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10 rows selected.

select \* from prescription;

PRESCRIPTION_ID	SSN	DOCTOR_ID	PRESCRIBED_DATE
1111000001	635655501	111101	20-MAR-20
1111000002	635655502	111102	19-FEB-20
1111000003	635655503	111103	18-JAN-20
1111000004	635655504	111104	01-NOV-20
1111000005	635655505	111105	03-DEC-20
1111000006	635655506	111106	26-OCT-20
1111000007	635655507	111107	25-MAR-20
1111000008	635655508	111108	02-MAR-20
1111000009	635655509	111109	20-JAN-20
1111000010	635655510	111110	21-FEB-20

[Download CSV](#)

10 rows selected.

```
select * from prescribed_drugs;
```

PRESCRIPTION_ID	DRUG_NAME	PRESCRIBED_QUANTITY	REFILL_LIMIT
1111000009	PARACETOMAL	5	2
1111000004	ATORVASTIN	10	3
1111000005	LISINOPRIL	12	1
1111000002	METOPROLOL	9	3
1111000001	OMEPRAZOLE	7	4

[Download CSV](#)

5 rows selected.

```
select * from orders1;
```

ORDER_ID	PRESCRIPTION_ID	EMPLOYEEID	ORDER_DATE
1	1111000009	1	16-APR-22
2	1111000004	2	17-APR-22
3	1111000005	3	18-APR-22
4	1111000002	4	19-APR-22
5	1111000001	5	20-APR-22

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5 rows selected.

```
select * from ordered_drugs1;
```

DRUG_NAME	BATCH_NUMBER	MEDICINETYPE	MANUFACTURER	STOCK_QUANTITY	EXPIRY_DATE	PRICE
CROCIN	55	ANTIOXIDANT	MANUBHAI	90	12-MAR-30	15
METACIN	55	TRANQUILIZERS	KANUBHAI	90	12-JAN-30	15
ZIMBOVIK	55	ANTIOXIDANT	RAJUBHAI	90	12-FEB-30	18
PARACETOMAL	55	ANTI	MANUBHAI	90	12-MAR-30	19
MQUIRE	55	ANTIHEAL	KANUBHAI	90	12-JUN-30	20
DEMLTPHERONAL	55	HWHJFWE	RAJUBHAI	90	12-DEC-30	200
PRERAJULISATION	55	AJHBSJ	GAJUBHAI	90	15-MAR-30	295
FARHANRITE	55	ANTIKSBC	MODIBHAI	90	18-MAR-30	200
GKSOIMD	55	ANTIOXJSCJCS	MADIBHAI	90	20-MAR-30	155

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9 rows selected.

select \* from medicine;

DRUG_NAME	BATCH_NUMBER	MEDICINETYPE	MANUFACTURER	STOCK_QUANTITY	EXPIRY_DATE	PRICE
CROCIN	55	ANTIOXIDANT	MANUBHAI	90	12-MAR-30	15
METACIN	55	TRANQUILIZERS	KANUBHAI	90	12-JAN-30	15
ZIMBOVIK	55	ANTIOXIDANT	RAJUBHAI	90	12-FEB-30	18
PARACETOMAL	55	ANTI	MANUBHAI	90	12-MAR-30	19
MQURE	55	ANTIHEAL	KANUBHAI	90	12-JUN-30	20
DEMLTPHERONAL	55	HWHJFWE	RAJUBHAI	90	12-DEC-30	200
PRERAJULISATION	55	AJHBSJ	GAJUBHAI	90	15-MAR-30	295
FARHANRITE	55	ANTIKSBC	MODIBHAI	90	18-MAR-30	200
GKSOIMD	55	ANTIOXJSCJCS	MADIBHAI	90	20-MAR-30	155

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9 rows selected.

select \* from disposed\_drugs;

DRUG_NAME	BATCH_NUMBER	QUANTITY	COMPANY
EFAVIRENZ	69	99	SINOPHARM
RABIES	23	11	RUSOPHARM
COVAXIN	56	86	INDOPHARM
UCERIS	67	76	MERCK
ULTIVA	89	45	ROCHE
OCELLA	45	4	SINOPHARM
OCTAGAM	43	69	INDOPHARM
WELCHOL	20	8	NOVARTIS
WINLEVI	36	12	PFIZER
YONDELIS	99	32	RUSOPHARM
CA-DTPA	89	90	MERCK
ZERIT	12	54	SINOPHARM
MAXAIR	6	56	PFIZER
JEVTANA	65	23	SINOPHARM
LIDOCAINE	77	65	RUSOPHARM

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15 rows selected.

\*\*\*\*\*SINGLE TABLE QUERIES\*\*\*\*\*

**Q1. DISPLAY ALL THE EMPLOYEE DETAILS WHO ARE STILL WORKING AT PHARMACY.**

select \* from employee where end\_date is null;

ID1	SSN	LICENSE	FIRST_NAME	LAST_NAME	START_DATE	END_DATE	ROLE1	SALARY	PHONE_NUMBER	DATE_OF_BIRTH
1	635655511	5555555551	LIAM	DAWSON	19-JUN-19	-	PHARMACIST	5000	5556669999	23-MAR-88
3	635655513	5555555553	CHRIS	GREEN	15-OCT-18	-	CHST	4500	5556661230	29-MAR-87
4	635655514	5555555554	ALEXANDER	WALTON	06-JUL-18	-	CHST	6000	5556664560	12-MAR-88
5	635655515	5555555555	NATHAN	STRAUSS	12-DEC-17	-	PHARMACIST	2000	5556667890	06-SEP-86
6	635655516	5555555556	TIM	TICKNAIR	31-AUG-19	-	CASHIER	4700	5556666321	19-NOV-90
7	635655517	5555555557	JK	LILY	26-JUN-17	-	CASHIER	3900	5556669635	11-MAY-89
10	635655510	5555555560	ADAM	HITLTON	17-APR-17	-	PHARMACIST	4300	5556661266	25-AUG-89

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7 rows selected.

**Q2. COUNT THE NO. OF INSURANCES FROM SPECIFIC COMPANY**

select count(\*) as METLIFE from Insurance where company\_name='METLIFE';

select count(\*) as PROGRESSIVE from Insurance where company\_name='PROGRESSIVE';

select count(\*) as AFLAC from Insurance where company\_name='AFLAC';

select count(\*) AS ALLSTATE from Insurance where company\_name='ALLSTATE';

METLIFE

3

[Download CSV](#)

PROGRESSIVE

1

[Download CSV](#)

AFLAC

2

[Download CSV](#)

ALLSTATE

1

[Download CSV](#)

### Q3. DISPLAY ALL DISPOSED DRUGS FROM COMPANY MERCK

```
select * from disposed_drugs where company='MERCK';
```

DRUG_NAME	BATCH_NUMBER	QUANTITY	COMPANY
UCERIS	67	76	MERCK
CA-DTPA	89	90	MERCK

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2 rows selected.

### Q4. DISPLAY ALL THE MEDICINES WHICH HAVE PRICE GREATER THAN 100

```
select * from medicine where price>100;
```

DRUG_NAME	BATCH_NUMBER	MEDICINETYPE	MANUFACTURER	STOCK_QUANTITY	EXPIRY_DATE	PRICE
DEMLTPHERONAL	55	HWHJFWE	RAJUBHAI	90	12-DEC-30	200
PRERAJULISATION	55	AJHBSJ	GAJUBHAI	90	15-MAR-30	295
FARHANRITE	55	ANTIKSBC	MODIBHAI	90	18-MAR-30	200
GKSOIMD	55	ANTIOXJSCJCS	MADIBHAI	90	20-MAR-30	155

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4 rows selected.

### Q5. DISPLAY ALL THE DRUGS NAME WHERE ORDERES QUANTITY IS LESS THAN 10.

```
select drug_name from ordered_drugs1 where ordered_quantity<10;
```

DRUG_NAME
PARACETOMAL
METOPROLOL
OMEPRazole

[Download CSV](#)

3 rows selected.

**Q6. DISPLAY ALL THE DISPOSED DRUGS WHICH HAVE QUANTITY GREATER THAN 50.**

Select \* from disposed\_drugs where quantity>50;

DRUG_NAME	BATCH_NUMBER	QUANTITY	COMPANY
EFAVIRENZ	69	99	SINOPHARM
COVAXIN	56	86	INDOPHARM
UCERIS	67	76	MERCK
OCTAGAM	43	69	INDOPHARM
CA-DTPA	89	90	MERCK
ZERIT	12	54	SINOPHARM
MAXAIR	6	56	PFIZER
LIDOCAINE	77	65	RUSOPHARM

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8 rows selected.

**\*\*\*\*\*QUERIES WITH JOIN\*\*\*\*\***

**Q1 DISPLAY DOCTOR\_ID AND DRUG NAME WHO PRESCRIBES THE SPECIFIC DRUG**

select doctor\_id,drug\_name from prescription pi,prescribed\_drugs pd where  
pi.Prescription\_ID=pd.Prescription\_ID;

DOCTOR_ID	DRUG_NAME
111101	OMEPRAZOLE
111102	METOPROLOL
111104	ATORVASTIN
111105	LISINOPRIL
111109	PARACETOMAL

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## Q2 DISPLAY CUSTOMER DETAILS WHO HAS SPECIFIC INSURANCE COMPANY

select first\_name,last\_name,company\_name from customer3 cu,insurance iu where cu.insurance\_id=iu.insurance\_id;

FIRST_NAME	LAST_NAME	COMPANY_NAME
WILL	JACKSON	METLIFE
SEAN	ABBOTT	PROGRESSIVE
OLIE	RICHARDS	MARSH_MCLENNAN
SIA	JACKSON	METLIFE
DAWID	WILLEY	MARSH&MCLENNAN
CARLOS	BLACKWOOD	ALLSTATE
MITCHELL	SWEPSON	AFLAC
JAMES	ANDREW	AFLAC
KANE	RICHARDSON	METLIFE
SABRINA	WILLIAMS	MARSH&MCLENNAN

[Download CSV](#)

10 rows selected.

## Q3 SELECT PRES\_ID AND PRICE OF DRUG HAVING MAXIMUM PRICE

select prescription\_id,price from orders1 o1,ordered\_drugs1 od1 where o1.order\_id=od1.order\_id and price=(select max(price) from ordered\_drugs1);

PRESCRIPTION_ID	PRICE
1111000005	20

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#### Q4 SELECT EMPLOYEE PREPARING ANY PARTICULAR DRUG HAVING HISGHEST SALARY

select order\_id,id1,salary from orders1 o2,employee ee where o2.employeeid=ee.id1 and salary=(select max(salary) from employee);

ORDER_ID	ID1	SALARY
4	4	6000

#### \*\*\*\*\*PL/SQL PART\*\*\*\*\*

##### PL/SQL FUNCTION

##### FIND THE NAME AND LICENSE NUMBER WHEN ID IS GIVEN

```
declare

name employee.first_name%type;

license employee.license%type;

begin

select first_name,license into name,license from employee where id1='00005';

dbms_output.put_line('Name: '||name);

dbms_output.put_line('License: '||license);

end;

/
```

```
SQL> declare
  2  name employee.first_name%type;
  3  license employee.license%type;
  4  begin
  5  select first_name,license into name,license from employee where id1='00005';
  6  dbms_output.put_line('Name: '||name);
  7  dbms_output.put_line('License: '||license);
  8  end;
  9  /
Name: NATHAN
License: 5555555555

PL/SQL procedure successfully completed.
```



## PL/SQL TRIGGER

### Employee Validation

When an employee is added, the employee type should be one of:

1. Pharmacist    2. CHST    3. Intern    4. Cashier

### CODE:

```
CREATE OR REPLACE TRIGGER Validate_Employee
BEFORE INSERT OR UPDATE ON EMPLOYEE
FOR EACH ROW
ENABLE
BEGIN
    IF (:NEW.role1) != 'CASHIER' OR (:NEW.role1 != 'PHARMACIST') OR (:NEW.role1 != 'CHST')
    OR (:NEW.role1 != 'INTERN')
    THEN
        RAISE_APPLICATION_ERROR(-20000, 'Invalid role given for employee');
    END IF;
END Validate_Employee;
```



Trigger created.