**PAPER -IV PRACTICAL NO. : 05**

**AIM : CREATE A TEMPORAL DATABASE AND ISSUE QUERIES ON IT.**

**ROLL NO. : 02 BATCH : M.SC PART-I**

**DATE : / /22**

**A] Create a table Employee , which stores the account number, name and valid time say, recruitment date and retirement date . Insert 10 records and fire the given queries.**

**CODE :**

SQL> connect

Enter user-name: system

Enter password:

Connected.

SQL> create table Employee(empno number(3), empname varchar2(20), recruit\_date date , retire\_date date);

Table created.

SQL> insert into Employee values(1,'Fiza',to\_date('12-12-2007','DD-MM-YY'),to\_date(sysdate,'DD-MM-YY'));

1 row created.

SQL> insert into Employee values(2,'Sarika',to\_date(sysdate,'DD-MM-YY'),to\_date('12-12-2013','DD-MM-YY'));

1 row created.

SQL> insert into Employee values(3,'Zeba',to\_date('2-3-2001','DD-MM-YY'),to\_date('18-11-2015','DD-MM-YY'));

1 row created.

SQL> insert into Employee values(4,'Sudip',to\_date(sysdate,'DD-MM-YY'),to\_date('28-8-2013','DD-MM-YY'));

1 row created.

SQL> insert into Employee values(5,'Omkar',to\_date('2-3-2001','DD-MM-YY'),to\_date('18-10-2005','DD-MM-YY'));

1 row created.

SQL> insert into Employee values(6,'Radhey',to\_date('2-4-1990','DD-MM-YY'),to\_date('2-3-2001','DD-MM-YY'));

1 row created.

SQL> insert into Employee values(7,'Amey',to\_date('5-8-1990','DD-MM-YY'),to\_date('2-3-2008','DD-MM-YY'));

1 row created.

SQL> insert into Employee values(8,'Samyak',to\_date('5-6-1990','DD-MM-YY'),to\_date('2-3-2008','DD-MM-YY'));

1 row created.

SQL> insert into Employee values(9,'Samruddhi',to\_date('5-6-1990','DD-MM-YY'),to\_date('2-3-2008','DD-MM-YY'));

1 row created.

SQL> insert into Employee values(10,'Zobiya',to\_date('2-3-2001','DD-MM-YY'),to\_date('2-3-2009','DD-MM-YY'));

1 row created.

SQL> select \* from Employee;

EMPNO EMPNAME RECRUIT\_D RETIRE\_DA

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1 Fiza 12-DEC-07 30-JUL-22

2 Sarika 30-JUL-22 12-DEC-13

3 Zeba 02-MAR-01 18-NOV-15

4 Sudip 30-JUL-22 28-AUG-13

5 Omkar 02-MAR-01 18-OCT-05

6 Radhey 02-APR-90 02-MAR-01

7 Amey 05-AUG-90 02-MAR-08

8 Samyak 05-JUN-90 02-MAR-08

9 Samruddhi 05-JUN-90 02-MAR-08

10 Zobiya 02-MAR-01 02-MAR-09

10 rows selected.

**QUERIES :**

**a] Find all the employees who join the company on 2/3/2001**

SQL> select empname from Employee where recruit\_date=to\_date('2-3-2001','DD-MM-YY');

EMPNAME

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Zeba

Omkar

Zobiya

**b] Find all the employees who will retire on 2/3/2001**

SQL> select empname from Employee where retire\_date=to\_date('2-3-2001','DD-MM-YY');

EMPNAME

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Radhey

**B] Create a table Shares, which stores the name of company, number of shares and price per share at transaction time. Insert 10 records and fire the given queries.**

**CODE :**

SQL> create table Shares(name varchar2(20),no\_share number(5),price number(7,2),trans\_time date);

Table created.

SQL> insert into Shares values('Gati',100,40,to\_date('10:20AM','HH:MiAM'));

1 row created.

SQL> insert into Shares values('Patni',20,10,to\_date('02:21PM','HH:MiPM'));

1 row created.

SQL> insert into Shares values('Uniphos',10,15,to\_date('05:28PM','HH:MiPM'));

1 row created.

SQL> insert into Shares values('TCS',12,100,to\_date('09:55AM','HH:MiAM'));

1 row created.

SQL> insert into Shares values('HCL',10,80,to\_date('02:21PM','HH:MiPM'));

1 row created.

SQL> insert into Shares values('Microsoft',100,150,to\_date('04:42PM','HH:MiPM'));

1 row created.

SQL> insert into Shares values('Dell',12,100,to\_date('11:04AM','HH:MiAM'));

1 row created.

SQL> insert into Shares values('Wipro',10,80,to\_date('01:10PM','HH:MiPM'));

1 row created.

SQL> insert into Shares values('IBM',10,120,to\_date('03:15PM','HH:MiPM'));

1 row created.

SQL> select \* from Shares;

NAME NO\_SHARE PRICE TRANS\_TIM

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Gati 100 40 01-JUL-22

Patni 20 10 01-JUL-22

Uniphos 10 15 01-JUL-22

TCS 12 100 01-JUL-22

HCL 10 80 01-JUL-22

Microsoft 100 150 01-JUL-22

Dell 12 100 01-JUL-22

Wipro 10 80 01-JUL-22

IBM 10 120 01-JUL-22

9 rows selected.

SQL> alter session set nls\_date\_format='HH24:MI';

Session altered.

SQL> select \* from Shares;

NAME NO\_SHARE PRICE TRANS

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Gati 100 40 10:20

Patni 20 10 14:21

Uniphos 10 15 17:28

TCS 12 100 09:55

HCL 10 80 14:21

Microsoft 100 150 16:42

Dell 12 100 11:04

Wipro 10 80 13:10

IBM 10 120 15:15

9 rows selected.

**QUERIES :**

**a] Find all the names of a company whose share price is more than Rs.8 at 14:21 AM**

SQL> select name from Shares where price>8 and trans\_time=to\_date('02:21PM','HH:MiPM');

NAME

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Patni

**a] Find the name of company which has the highest share price at 2:42 PM**

SQL> select name from Shares where trans\_time=to\_date('04:42PM','HH:MiPM') and price=(select max(price) from Shares);

NAME

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Microsoft