Assignment 4

Name – Tanmay Garg

Batch – 3ENC1

Roll No. – 101915001

Write queries to:

1. Display the system date

SQL Worksheet   ⬦ Clear   ⌖ Find   Actions ⌄   💾 Save   **Run** ▶

```
1   select sysdate from dual;
2   select to_char(sysdate,'day') as day from dual;
3   select to_char(sysdate,'MM') as month,to_char(sysdate,'Year') as year from dual;
4   select to_char(sysdate,'day month ddth year') as spellCurrentDate from dual;
5   select to_char(sysdate,'am') as timeZone from dual;
6   select next_day(sysdate,'friday') from dual;
7   select round(sysdate,'month') from dual;
8   select trunc(sysdate,'month') from dual;
9   select round(sysdate,'year') from dual;
10  select trunc(sysdate,'year') from dual;
11  select sysdate+3 from dual;
12
13  create table emp(
14  empno number(4) not null,
15  ename varchar2(12),
16  job varchar2(9),
17  joinDate date,
18  sal number(7,2),
19  comm number(7,2),
20  deptNo number(2));
21
22  insert into emp values
23  (5302,'Timmy','CEO',to_date('23-Dec-2007','DD-MON-YYYY'),8500,NULL,12);
24  insert into emp values
25  (7863,'Ramsy','Guard',to_date('10-Apr-2010','DD-MON-YYYY'),2500,NULL,17);
```

SYSDATE
13-SEP-21

Download CSV

2. Display current day

SQL Worksheet   ◇ Clear   🖌 Find   [Actions ⌄]   [💾 Save]   [**Run** ▶]

```
 1   select sysdate from dual;
 2   select to_char(sysdate,'day') as day from dual;
 3   select to_char(sysdate,'MM') as month,to_char(sysdate,'Year') as year from dual;
 4   select to_char(sysdate,'day month ddth year') as spellCurrentDate from dual;
 5   select to_char(sysdate,'am') as timeZone from dual;
 6   select next_day(sysdate,'friday') from dual;
 7   select round(sysdate,'month') from dual;
 8   select trunc(sysdate,'month') from dual;
 9   select round(sysdate,'year') from dual;
10   select trunc(sysdate,'year') from dual;
11   select sysdate+3 from dual;
12
13   create table emp(
14   empno number(4) not null,
15   ename varchar2(12),
16   job varchar2(9),
17   joinDate date,
18   sal number(7,2),
19   comm number(7,2),
20   deptNo number(2));
21
22   insert into emp values
23   (5302,'Timmy','CEO',to_date('23-Dec-2007','DD-MON-YYYY'),8500,NULL,12);
24   insert into emp values
25   (7863,'Ramsy','Guard',to_date('10-Apr-2010','DD-MON-YYYY'),2500,NULL,17);
```

DAY
monday

Download CSV

3. Display current month and spell out year

SQL Worksheet   ◇ Clear   🖌 Find   [Actions ⌄]   [💾 Save]   [**Run** ▶]

```
 1   select sysdate from dual;
 2   select to_char(sysdate,'day') as day from dual;
 3   select to_char(sysdate,'MM') as month,to_char(sysdate,'Year') as year from dual;
 4   select to_char(sysdate,'day month ddth year') as spellCurrentDate from dual;
 5   select to_char(sysdate,'am') as timeZone from dual;
 6   select next_day(sysdate,'friday') from dual;
 7   select round(sysdate,'month') from dual;
 8   select trunc(sysdate,'month') from dual;
 9   select round(sysdate,'year') from dual;
10   select trunc(sysdate,'year') from dual;
11   select sysdate+3 from dual;
12
13   create table emp(
14   empno number(4) not null,
15   ename varchar2(12),
16   job varchar2(9),
17   joinDate date,
18   sal number(7,2),
19   comm number(7,2),
20   deptNo number(2));
21
22   insert into emp values
23   (5302,'Timmy','CEO',to_date('23-Dec-2007','DD-MON-YYYY'),8500,NULL,12);
24   insert into emp values
25   (7863,'Ramsy','Guard',to_date('10-Apr-2010','DD-MON-YYYY'),2500,NULL,17);
```

MONTH	YEAR
09	Twenty Twenty-One

Download CSV

4. Display spell out current date

SQL Worksheet   ◇ Clear   ⚲ Find   [Actions ∨]   [💾 Save]   [Run ▶]

```
 1  select sysdate from dual;
 2  select to_char(sysdate,'day') as day from dual;
 3  select to_char(sysdate,'MM') as month,to_char(sysdate,'Year') as year from dual;
 4  select to_char(sysdate,'day month ddth year') as spellCurrentDate from dual;
 5  select to_char(sysdate,'am') as timeZone from dual;
 6  select next_day(sysdate,'friday') from dual;
 7  select round(sysdate,'month') from dual;
 8  select trunc(sysdate,'month') from dual;
 9  select round(sysdate,'year') from dual;
10  select trunc(sysdate,'year') from dual;
11  select sysdate+3 from dual;
12
13  create table emp(
14  empno number(4) not null,
15  ename varchar2(12),
16  job varchar2(9),
17  joinDate date,
18  sal number(7,2),
19  comm number(7,2),
20  deptNo number(2));
21
22  insert into emp values
23  (5302,'Timmy','CEO',to_date('23-Dec-2007','DD-MON-YYYY'),8500,NULL,12);
24  insert into emp values
25  (7863,'Ramsy','Guard',to_date('10-Apr-2010','DD-MON-YYYY'),2500,NULL,17);
```

SPELLCURRENTDATE
monday   september 13th twenty twenty-one

Download CSV

5. Check whether it is AM or PM right now

SQL Worksheet   ◇ Clear   ⚲ Find   [Actions ∨]   [💾 Save]   [Run ▶]

```
 1  select sysdate from dual;
 2  select to_char(sysdate,'day') as day from dual;
 3  select to_char(sysdate,'MM') as month,to_char(sysdate,'Year') as year from dual;
 4  select to_char(sysdate,'day month ddth year') as spellCurrentDate from dual;
 5  select to_char(sysdate,'am') as timeZone from dual;
 6  select next_day(sysdate,'friday') from dual;
 7  select round(sysdate,'month') from dual;
 8  select trunc(sysdate,'month') from dual;
 9  select round(sysdate,'year') from dual;
10  select trunc(sysdate,'year') from dual;
11  select sysdate+3 from dual;
12
13  create table emp(
14  empno number(4) not null,
15  ename varchar2(12),
16  job varchar2(9),
17  joinDate date,
18  sal number(7,2),
19  comm number(7,2),
20  deptNo number(2));
21
22  insert into emp values
23  (5302,'Timmy','CEO',to_date('23-Dec-2007','DD-MON-YYYY'),8500,NULL,12);
24  insert into emp values
25  (7863,'Ramsy','Guard',to_date('10-Apr-2010','DD-MON-YYYY'),2500,NULL,17);
```

TIMEZONE
pm

Download CSV

6. Display the date of next Friday

SQL Worksheet   ◇ Clear   ⟋ Find   Actions ∨   ⊟ Save   Run ▶

```
1    select sysdate from dual;
2    select to_char(sysdate,'day') as day from dual;
3    select to_char(sysdate,'MM') as month,to_char(sysdate,'Year') as year from dual;
4    select to_char(sysdate,'day month ddth year') as spellCurrentDate from dual;
5    select to_char(sysdate,'am') as timeZone from dual;
6    select next_day(sysdate,'friday') from dual;
7    select round(sysdate,'month') from dual;
8    select trunc(sysdate,'month') from dual;
9    select round(sysdate,'year') from dual;
10   select trunc(sysdate,'year') from dual;
11   select sysdate+3 from dual;
12
13   create table emp(
14   empno number(4) not null,
15   ename varchar2(12),
16   job varchar2(9),
17   joinDate date,
18   sal number(7,2),
19   comm number(7,2),
20   deptNo number(2));
21
22   insert into emp values
23   (5302,'Timmy','CEO',to_date('23-Dec-2007','DD-MON-YYYY'),8500,NULL,12);
24   insert into emp values
25   (7863,'Ramsv'.'Guard'.to date('10-Apr-2010'.'DD-MON-YYYY').2500.NULL.17):
```

NEXT_DAY(SYSDATE,'FRIDAY')
17-SEP-21

Download CSV

7. Round the system date on month

SQL Worksheet   ◇ Clear   ⟋ Find   Actions ∨   ⊟ Save   Run ▶

```
1    select sysdate from dual;
2    select to_char(sysdate,'day') as day from dual;
3    select to_char(sysdate,'MM') as month,to_char(sysdate,'Year') as year from dual;
4    select to_char(sysdate,'day month ddth year') as spellCurrentDate from dual;
5    select to_char(sysdate,'am') as timeZone from dual;
6    select next_day(sysdate,'friday') from dual;
7    select round(sysdate,'month') from dual;
8    select trunc(sysdate,'month') from dual;
9    select round(sysdate,'year') from dual;
10   select trunc(sysdate,'year') from dual;
11   select sysdate+3 from dual;
12
13   create table emp(
14   empno number(4) not null,
15   ename varchar2(12),
16   job varchar2(9),
17   joinDate date,
18   sal number(7,2),
19   comm number(7,2),
20   deptNo number(2));
21
22   insert into emp values
23   (5302,'Timmy','CEO',to_date('23-Dec-2007','DD-MON-YYYY'),8500,NULL,12);
24   insert into emp values
25   (7863,'Ramsv'.'Guard'.to date('10-Apr-2010'.'DD-MON-YYYY').2500.NULL.17):
```

ROUND(SYSDATE,'MONTH')
01-SEP-21

Download CSV

8. Truncate the system date on month

SQL Worksheet

```
1   select sysdate from dual;
2   select to_char(sysdate,'day') as day from dual;
3   select to_char(sysdate,'MM') as month,to_char(sysdate,'Year') as year from dual;
4   select to_char(sysdate,'day month ddth year') as spellCurrentDate from dual;
5   select to_char(sysdate,'am') as timeZone from dual;
6   select next_day(sysdate,'friday') from dual;
7   select round(sysdate,'month') from dual;
8   select trunc(sysdate,'month') from dual;
9   select round(sysdate,'year') from dual;
10  select trunc(sysdate,'year') from dual;
11  select sysdate+3 from dual;
12
13  create table emp(
14  empno number(4) not null,
15  ename varchar2(12),
16  job varchar2(9),
17  joinDate date,
18  sal number(7,2),
19  comm number(7,2),
20  deptNo number(2));
21
22  insert into emp values
23  (5302,'Timmy','CEO',to_date('23-Dec-2007','DD-MON-YYYY'),8500,NULL,12);
24  insert into emp values
25  (7863.'Ramsv'.'Guard'.to date('10-Apr-2010'.'DD-MON-YYYY').2500.NULL.17);
```

TRUNC(SYSDATE,'MONTH')
01-SEP-21

Download CSV

9. Round the system date on year

SQL Worksheet

```
1   select sysdate from dual;
2   select to_char(sysdate,'day') as day from dual;
3   select to_char(sysdate,'MM') as month,to_char(sysdate,'Year') as year from dual;
4   select to_char(sysdate,'day month ddth year') as spellCurrentDate from dual;
5   select to_char(sysdate,'am') as timeZone from dual;
6   select next_day(sysdate,'friday') from dual;
7   select round(sysdate,'month') from dual;
8   select trunc(sysdate,'month') from dual;
9   select round(sysdate,'year') from dual;
10  select trunc(sysdate,'year') from dual;
11  select sysdate+3 from dual;
12
13  create table emp(
14  empno number(4) not null,
15  ename varchar2(12),
16  job varchar2(9),
17  joinDate date,
18  sal number(7,2),
19  comm number(7,2),
20  deptNo number(2));
21
22  insert into emp values
23  (5302,'Timmy','CEO',to_date('23-Dec-2007','DD-MON-YYYY'),8500,NULL,12);
24  insert into emp values
25  (7863.'Ramsv'.'Guard'.to date('10-Apr-2010'.'DD-MON-YYYY').2500.NULL.17);
```

ROUND(SYSDATE,'YEAR')
01-JAN-22

Download CSV

10. Truncate the system date on year

SQL Worksheet   Clear   Find   Actions ∨   Save   Run

```
6    select next_day(sysdate,'friday') from dual;
7    select round(sysdate,'month') from dual;
8    select trunc(sysdate,'month') from dual;
9    select round(sysdate,'year') from dual;
10   select trunc(sysdate,'year') from dual;
11   select sysdate+3 from dual;
12
13   create table emp(
14   empno number(4) not null,
15   ename varchar2(12),
16   job varchar2(9),
17   joinDate date,
18   sal number(7,2),
19   comm number(7,2),
20   deptNo number(2));
21
22   insert into emp values
23   (5302,'Timmy','CEO',to_date('23-Dec-2007','DD-MON-YYYY'),8500,NULL,12);
24   insert into emp values
25   (7863,'Ramsy','Guard',to_date('10-Apr-2010','DD-MON-YYYY'),2500,NULL,17);
26   insert into emp values
27   (2334,'Vinay','Clerk',to_date('12-Sep-2015','DD-MON-YYYY'),5000,NULL,10);
28   insert into emp values
29   (1288,'Anil','Clerk',to_date('1-Sep-2021','DD-MON-YYYY'),2500,NULL,10);
30   insert into emp values
```

TRUNC(SYSDATE,'YEAR')
01-JAN-21

Download CSV

11. Find the day after three days

SQL Worksheet   Clear   Find   Actions ∨   Save   Run

```
1    select sysdate from dual;
2    select to_char(sysdate,'day') as day from dual;
3    select to_char(sysdate,'MM') as month,to_char(sysdate,'Year') as year from dual;
4    select to_char(sysdate,'day month ddth year') as spellCurrentDate from dual;
5    select to_char(sysdate,'am') as timeZone from dual;
6    select next_day(sysdate,'friday') from dual;
7    select round(sysdate,'month') from dual;
8    select trunc(sysdate,'month') from dual;
9    select round(sysdate,'year') from dual;
10   select trunc(sysdate,'year') from dual;
11   select sysdate+3 from dual;
12
13   create table emp(
14   empno number(4) not null,
15   ename varchar2(12),
16   job varchar2(9),
17   joinDate date,
18   sal number(7,2),
19   comm number(7,2),
20   deptNo number(2));
21
22   insert into emp values
23   (5302,'Timmy','CEO',to_date('23-Dec-2007','DD-MON-YYYY'),8500,NULL,12);
24   insert into emp values
25   (7863,'Ramsy','Guard',to_date('10-Apr-2010','DD-MON-YYYY'),2500,NULL,17);
```

SYSDATE+3
16-SEP-21

Download CSV

Queries Based on EMP table

12. Display day of date of joining column

SQL Worksheet   ◇ Clear   ✎ Find   Actions ⌄   💾 Save   **Run ▶**

```
13   create table emp(
14   empno number(4) not null,
15   ename varchar2(12),
16   job varchar2(9),
17   joinDate date,
18   sal number(7,2),
19   comm number(7,2),
20   deptNo number(2));
21
22   insert into emp values
23   (5302,'Timmy','CEO',to_date('23-Dec-2007','DD-MON-YYYY'),8500,NULL,12);
24   insert into emp values
25   (7863,'Ramsy','Guard',to_date('10-Apr-2010','DD-MON-YYYY'),2500,NULL,17);
26   insert into emp values
27   (2334,'Vinay','Clerk',to_date('12-Sep-2015','DD-MON-YYYY'),5000,NULL,10);
28   insert into emp values
29   (1288,'Anil','Clerk',to_date('1-Sep-2021','DD-MON-YYYY'),2500,NULL,10);
30   insert into emp values
31   (9852,'Krams','Guard',to_date('3-Sep-2021','DD-MON-YYYY'),1350,NULL,15);
32   insert into emp values
33   (2370,'Amy','SDE-I',to_date(sysdate),950,NULL,20);
34
35   drop table emp;
36   select*from emp;
37
```

Table created.

```
13   create table emp(
14   empno number(4) not null,
15   ename varchar2(12),
16   job varchar2(9),
17   joinDate date,
18   sal number(7,2),
19   comm number(7,2),
20   deptNo number(2));
21
22   insert into emp values
23   (5302,'Timmy','CEO',to_date('23-Dec-2007','DD-MON-YYYY'),8500,NULL,12);
24   insert into emp values
25   (7863,'Ramsy','Guard',to_date('10-Apr-2010','DD-MON-YYYY'),2500,NULL,17);
26   insert into emp values
27   (2334,'Vinay','Clerk',to_date('12-Sep-2015','DD-MON-YYYY'),5000,NULL,10);
28   insert into emp values
29   (1288,'Anil','Clerk',to_date('1-Sep-2021','DD-MON-YYYY'),2500,NULL,10);
30   insert into emp values
31   (9852,'Krams','Guard',to_date('3-Sep-2021','DD-MON-YYYY'),1350,NULL,15);
32   insert into emp values
33   (2370,'Amy','SDE-I',to_date(sysdate),950,NULL,20);
34   |
35   drop table emp;
36   select*from emp;
37
```

1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.

SQL Worksheet

Clear   Find   Actions ∨   Save   Run ▶

```
20   deptNo number(2));
21
22   insert into emp values
23   (5302,'Timmy','CEO',to_date('23-Dec-2007','DD-MON-YYYY'),8500,NULL,12);
24   insert into emp values
25   (7863,'Ramsy','Guard',to_date('10-Apr-2010','DD-MON-YYYY'),2500,NULL,17);
26   insert into emp values
27   (2334,'Vinay','Clerk',to_date('12-Sep-2015','DD-MON-YYYY'),5000,NULL,10);
28   insert into emp values
29   (1288,'Anil','Clerk',to_date('1-Sep-2021','DD-MON-YYYY'),2500,NULL,10);
30   insert into emp values
31   (9852,'Krams','Guard',to_date('3-Sep-2021','DD-MON-YYYY'),1350,NULL,15);
32   insert into emp values
33   (2370,'Amy','SDE-I',to_date(sysdate),950,NULL,20);
34
35   drop table emp;
36   select*from emp;
37
38   select to_char(joinDate,'Day') as Day from dual;
39   select ename,joinDate from emp;
40   select ename from emp where to_char(joinDate,'day')='monday';
41   select ename from emp where to_char(joinDate,'MM')='09';
42   select ename from emp where joinDate between sysdate-30 and sysdate;
43
44   create table train(
```

EMPNO	ENAME	JOB	JOINDATE	SAL	COMM	DEPTNO
5302	Timmy	CEO	23-DEC-07	8500	-	12
7863	Ramsy	Guard	10-APR-10	2500	-	17
2334	Vinay	Clerk	12-SEP-15	5000	-	10
1288	Anil	Clerk	01-SEP-21	2500	-	10
9852	Krams	Guard	03-SEP-21	1350	-	15
2370	Amy	SDE-I	13-SEP-21	950	-	20

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SQL Worksheet

Clear   Find   Actions ∨   Save   Run ▶

```
20   deptNo number(2));
21
22   insert into emp values
23   (5302,'Timmy','CEO',to_date('23-Dec-2007','DD-MON-YYYY'),8500,NULL,12);
24   insert into emp values
25   (7863,'Ramsy','Guard',to_date('10-Apr-2010','DD-MON-YYYY'),2500,NULL,17);
26   insert into emp values
27   (2334,'Vinay','Clerk',to_date('12-Sep-2015','DD-MON-YYYY'),5000,NULL,10);
28   insert into emp values
29   (1288,'Anil','Clerk',to_date('1-Sep-2021','DD-MON-YYYY'),2500,NULL,10);
30   insert into emp values
31   (9852,'Krams','Guard',to_date('3-Sep-2021','DD-MON-YYYY'),1350,NULL,15);
32   insert into emp values
33   (2370,'Amy','SDE-I',to_date(sysdate),950,NULL,20);
34
35   drop table emp;
36   select*from emp;
37
38   select to_char(joinDate,'Day') as Day from dual;
39   select ename,joinDate from emp;
40   select ename from emp where to_char(joinDate,'day')='monday';
41   select ename from emp where to_char(joinDate,'MM')='09';
42   select ename from emp where joinDate between sysdate-30 and sysdate;
43
44   create table train(
```

ENAME	JOINDATE
Timmy	23-DEC-07
Ramsy	10-APR-10
Vinay	12-SEP-15
Anil	01-SEP-21
Krams	03-SEP-21
Amy	13-SEP-21

Download CSV

13. Display those employees who join the company on Monday

SQL Worksheet   ⬭ Clear   ⬭ Find   Actions ∨   ⬭ Save   **Run ▶**

```
20    deptNo number(2));
21
22    insert into emp values
23    (5302,'Timmy','CEO',to_date('23-Dec-2007','DD-MON-YYYY'),8500,NULL,12);
24    insert into emp values
25    (7863,'Ramsy','Guard',to_date('10-Apr-2010','DD-MON-YYYY'),2500,NULL,17);
26    insert into emp values
27    (2334,'Vinay','Clerk',to_date('12-Sep-2015','DD-MON-YYYY'),5000,NULL,10);
28    insert into emp values
29    (1288,'Anil','Clerk',to_date('1-Sep-2021','DD-MON-YYYY'),2500,NULL,10);
30    insert into emp values
31    (9852,'Krams','Guard',to_date('3-Sep-2021','DD-MON-YYYY'),1350,NULL,15);
32    insert into emp values
33    (2370,'Amy','SDE-I',to_date(sysdate),950,NULL,20);
34
35    drop table emp;
36    select*from emp;
37
38    select to_char(joinDate,'Day') as Day from dual;
39    select ename,joinDate from emp;
40    select ename from emp where to_char(joinDate,'day')='monday';
41    select ename from emp where to_char(joinDate,'MM')='09';
42    select ename from emp where joinDate between sysdate-30 and sysdate;
43
44    create table train(
```

```
no data found
```

14. Display those employees who join the company this month

SQL Worksheet   ⬭ Clear   ⬭ Find   Actions ∨   ⬭ Save   **Run ▶**

```
20    deptNo number(2));
21
22    insert into emp values
23    (5302,'Timmy','CEO',to_date('23-Dec-2007','DD-MON-YYYY'),8500,NULL,12);
24    insert into emp values
25    (7863,'Ramsy','Guard',to_date('10-Apr-2010','DD-MON-YYYY'),2500,NULL,17);
26    insert into emp values
27    (2334,'Vinay','Clerk',to_date('12-Sep-2015','DD-MON-YYYY'),5000,NULL,10);
28    insert into emp values
29    (1288,'Anil','Clerk',to_date('1-Sep-2021','DD-MON-YYYY'),2500,NULL,10);
30    insert into emp values
31    (9852,'Krams','Guard',to_date('3-Sep-2021','DD-MON-YYYY'),1350,NULL,15);
32    insert into emp values
33    (2370,'Amy','SDE-I',to_date(sysdate),950,NULL,20);
34
35    drop table emp;
36    select*from emp;
37
38    select to_char(joinDate,'Day') as Day from dual;
39    select ename,joinDate from emp;
40    select ename from emp where to_char(joinDate,'day')='monday';
41    select ename from emp where to_char(joinDate,'MM')='09';
42    select ename from emp where joinDate between sysdate-30 and sysdate;
43
44    create table train(
```

ENAME
Vinay
Anil
Krams
Amy

Download CSV
4 rows selected.

15. Display those employees who join the company in last 30 days

SQL Worksheet   Clear   Find   Actions ∨   Save   Run ▶

```
20   deptNo number(2));
21
22   insert into emp values
23   (5302,'Timmy','CEO',to_date('23-Dec-2007','DD-MON-YYYY'),8500,NULL,12);
24   insert into emp values
25   (7863,'Ramsy','Guard',to_date('10-Apr-2010','DD-MON-YYYY'),2500,NULL,17);
26   insert into emp values
27   (2334,'Vinay','Clerk',to_date('12-Sep-2015','DD-MON-YYYY'),5000,NULL,10);
28   insert into emp values
29   (1288,'Anil','Clerk',to_date('1-Sep-2021','DD-MON-YYYY'),2500,NULL,10);
30   insert into emp values
31   (9852,'Krams','Guard',to_date('3-Sep-2021','DD-MON-YYYY'),1350,NULL,15);
32   insert into emp values
33   (2370,'Amy','SDE-I',to_date(sysdate),950,NULL,20);
34
35   drop table emp;
36   select*from emp;
37
38   select to_char(joinDate,'Day') as Day from dual;
39   select ename,joinDate from emp;
40   select ename from emp where to_char(joinDate,'day')='monday';
41   select ename from emp where to_char(joinDate,'MM')='09';
42   select ename from emp where joinDate between sysdate-30 and sysdate;
43
44   create table train(
```

ENAME
Anil
Krams
Amy

Download CSV
3 rows selected.

Create a table train having three four columns
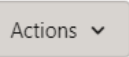
Use Timestamp data type for time

```
create table ttrain(
tno number(11),
dod date,
tod timestamp,
too timestamp
);

insert into ttrain values(1200, '27-mar-2021', '27-mar-2021 08:00','28-mar-2021 11:00');
select * from ttrain;
```

Or

```
create table eee(ddd TIMESTAMP)

insert into eee values (TO_TIMESTAMP('1990-02-02 10:10:10', 'YYYY-MM-DD HH24 MI:SS'))

insert into eee values (TO_TIMESTAMP('1990-02-08 10:10:10 AM', 'YYYY-MM-DD HH:MI:SS PM'))

select * from eee
```

16. Train Number, date of Departure, time of departure, time of arrival

Live SQL   Feedback   Help   tgarg3_be19@thapar.edu

SQL Worksheet   Clear   Find   Actions   Save   Run

```
44  create table train(
45  tno number(10),
46  dod date,
47  tod timestamp,
48  too timestamp);
49
50  insert into train values
51  (1,'20-mar-21','20-mar-21 11:00:00AM','20-mar-21 12:45:00');
52  insert into train values
53  (2,'11-sep-21','11-sep-21 01:00:00PM','11-sep-21 04:15:00PM');
54  insert into train values
55  (3,'12-sep-21','12-sep-21 08:30:00AM','12-sep-21 09:25:00PM');
56  insert into train values
57  (4,'13-sep-21','13-sep-21 01:00:00PM','14-sep-21 01:45:00PM');
58  insert into train values
59  (5,'14-sep-21','14-sep-21 10:00:00AM','14-sep-21 11:30:00AM');
60
61  select*from train;
62
63  select tod,too from train;
64  select*from train where to_char(too,'pm')='pm';
65
66  select tno from train where to_char(tod,'HH:MM:SS') between
67  to_char(sysdate,'HH:MM:SS') and to_char(sysdate+0.041,'HH:MM:SS');
```

```
Table created.
```

17. Insert five columns in train table

SQL Worksheet   ◇ Clear   ⚡ Find   Actions ⌄   💾 Save   Run ▶

```
44   create table train(
45   tno number(10),
46   dod date,
47   tod timestamp,
48   too timestamp);
49
50   insert into train values
51   (1,'20-mar-21','20-mar-21 11:00:00AM','20-mar-21 12:45:00');
52   insert into train values
53   (2,'11-sep-21','11-sep-21 01:00:00PM','11-sep-21 04:15:00PM');
54   insert into train values
55   (3,'12-sep-21','12-sep-21 08:30:00AM','12-sep-21 09:25:00PM');
56   insert into train values
57   (4,'13-sep-21','13-sep-21 01:00:00PM','14-sep-21 01:45:00PM');
58   insert into train values
59   (5,'14-sep-21','14-sep-21 10:00:00AM','14-sep-21 11:30:00AM');
60   |
61   select*from train;
62
63   select tod,too from train;
64   select*from train where to_char(too,'pm')='pm';
65
66   select tno from train where to_char(tod,'HH:MM:SS') between
67   to_char(sysdate,'HH:MM:SS') and to_char(sysdate+0.041,'HH:MM:SS');
```

```
1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.
```

18. Display all the records

SQL Worksheet   ◇ Clear   ⚡ Find   Actions ⌄   💾 Save   Run ▶

```
44   create table train(
45   tno number(10),
46   dod date,
47   tod timestamp,
48   too timestamp);
49
50   insert into train values
51   (1,'20-mar-21','20-mar-21 11:00:00AM','20-mar-21 12:45:00');
52   insert into train values
53   (2,'11-sep-21','11-sep-21 01:00:00PM','11-sep-21 04:15:00PM');
54   insert into train values
55   (3,'12-sep-21','12-sep-21 08:30:00AM','12-sep-21 09:25:00PM');
56   insert into train values
57   (4,'13-sep-21','13-sep-21 01:00:00PM','14-sep-21 01:45:00PM');
58   insert into train values
59   (5,'14-sep-21','14-sep-21 10:00:00AM','14-sep-21 11:30:00AM');
60
61   select*from train;
62
63   select tod,too from train;
64   select*from train where to_char(too,'pm')='pm';
65
66   select tno from train where to_char(tod,'HH:MM:SS') between
67   to_char(sysdate,'HH:MM:SS') and to_char(sysdate+0.041,'HH:MM:SS');
```

TNO	DOD	TOD	TOO
1	20-MAR-21	20-MAR-21 11.00.00.000000 AM	20-MAR-21 12.45.00.000000 PM
2	11-SEP-21	11-SEP-21 01.00.00.000000 PM	11-SEP-21 04.15.00.000000 PM
3	12-SEP-21	12-SEP-21 08.30.00.000000 AM	12-SEP-21 09.25.00.000000 PM
4	13-SEP-21	13-SEP-21 01.00.00.000000 PM	14-SEP-21 01.45.00.000000 PM
5	14-SEP-21	14-SEP-21 10.00.00.000000 AM	14-SEP-21 11.30.00.000000 AM

Download CSV
5 rows selected.

19. Display the time values inserted in the columns

SQL Worksheet   ✎ Clear   🔍 Find   Actions ˅   💾 Save   Run ▶

```
45   tno number(10),
46   dod date,
47   tod timestamp,
48   too timestamp);
49
50   insert into train values
51   (1,'20-mar-21','20-mar-21 11:00:00AM','20-mar-21 12:45:00');
52   insert into train values
53   (2,'11-sep-21','11-sep-21 01:00:00PM','11-sep-21 04:15:00PM');
54   insert into train values
55   (3,'12-sep-21','12-sep-21 08:30:00AM','12-sep-21 09:25:00PM');
56   insert into train values
57   (4,'13-sep-21','13-sep-21 01:00:00PM','14-sep-21 01:45:00PM');
58   insert into train values
59   (5,'14-sep-21','14-sep-21 10:00:00AM','14-sep-21 11:30:00AM');
60
61   select*from train;
62
63   select tod,too from train;
64   select*from train where to_char(too,'pm')='pm';
65
66   select tno from train where to_char(tod,'HH:MM:SS') between
67   to_char(sysdate,'HH:MM:SS') and to_char(sysdate+0.041,'HH:MM:SS');
68
69
```

TOD	TOO
20-MAR-21 11.00.00.000000 AM	20-MAR-21 12.45.00.000000 PM
11-SEP-21 01.00.00.000000 PM	11-SEP-21 04.15.00.000000 PM
12-SEP-21 08.30.00.000000 AM	12-SEP-21 09.25.00.000000 PM
13-SEP-21 01.00.00.000000 PM	14-SEP-21 01.45.00.000000 PM
14-SEP-21 10.00.00.000000 AM	14-SEP-21 11.30.00.000000 AM

Download CSV
5 rows selected.

20. Display those trains which arrived on PM

SQL Worksheet   ✎ Clear   🔍 Find   Actions ˅   💾 Save   Run ▶

```
45   tno number(10),
46   dod date,
47   tod timestamp,
48   too timestamp);
49
50   insert into train values
51   (1,'20-mar-21','20-mar-21 11:00:00AM','20-mar-21 12:45:00');
52   insert into train values
53   (2,'11-sep-21','11-sep-21 01:00:00PM','11-sep-21 04:15:00PM');
54   insert into train values
55   (3,'12-sep-21','12-sep-21 08:30:00AM','12-sep-21 09:25:00PM');
56   insert into train values
57   (4,'13-sep-21','13-sep-21 01:00:00PM','14-sep-21 01:45:00PM');
58   insert into train values
59   (5,'14-sep-21','14-sep-21 10:00:00AM','14-sep-21 11:30:00AM');
60
61   select*from train;
62
63   select tod,too from train;
64   select*from train where to_char(too,'pm')='pm';
65
66   select tno from train where to_char(tod,'HH:MM:SS') between
67   to_char(sysdate,'HH:MM:SS') and to_char(sysdate+0.041,'HH:MM:SS');
68
69
```

TNO	DOD	TOD	TOO
1	20-MAR-21	20-MAR-21 11.00.00.000000 AM	20-MAR-21 12.45.00.000000 PM
2	11-SEP-21	11-SEP-21 01.00.00.000000 PM	11-SEP-21 04.15.00.000000 PM
3	12-SEP-21	12-SEP-21 08.30.00.000000 AM	12-SEP-21 09.25.00.000000 PM
4	13-SEP-21	13-SEP-21 01.00.00.000000 PM	14-SEP-21 01.45.00.000000 PM

Download CSV
4 rows selected.

21. Display train number who are going to depart in next on hour.

SQL Worksheet   Clear   Find   Actions ∨   Save   Run ▶

```
45   tno number(10),
46   dod date,
47   tod timestamp,
48   too timestamp);
49
50   insert into train values
51   (1,'20-mar-21','20-mar-21 11:00:00AM','20-mar-21 12:45:00');
52   insert into train values
53   (2,'11-sep-21','11-sep-21 01:00:00PM','11-sep-21 04:15:00PM');
54   insert into train values
55   (3,'12-sep-21','12-sep-21 08:30:00AM','12-sep-21 09:25:00PM');
56   insert into train values
57   (4,'13-sep-21','13-sep-21 01:00:00PM','14-sep-21 01:45:00PM');
58   insert into train values
59   (5,'14-sep-21','14-sep-21 10:00:00AM','14-sep-21 11:30:00AM');
60
61   select*from train;
62
63   select tod,too from train;
64   select*from train where to_char(too,'pm')='pm';
65
66   select tno from train where to_char(tod,'HH:MM:SS') between
67   to_char(sysdate,'HH:MM:SS') and to_char(sysdate+0.041,'HH:MM:SS');
68
69
```

no data found