Name: Prachi Singhroha **Roll No.:** 101903545 **Batch:** 2CO21

Assignment3

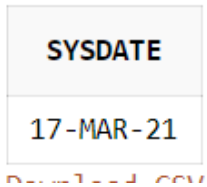
Write queries to:

1. Display the system date

Statement:

select sysdate from dual;

Output:



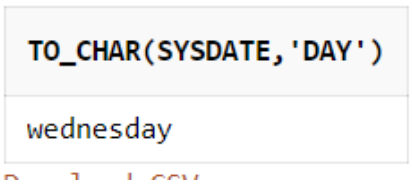
SYSDATE
17-MAR-21

2. Display current day

Statement:

select to_char(sysdate, 'day') from dual;

Output:



TO_CHAR(SYSDATE,'DAY')
wednesday

3. Display current month and spell out year

Statement:

select to_char(sysdate, 'yyyysp'), to_char(sysdate, 'month') from dual;

Output:

TO_CHAR(SYSDATE,'YYYYSP')	TO_CHAR(SYSDATE,'MONTH')
two thousand twenty-one	march

Download CSV

4. Display spell out current date

Statement:

select to_char(sysdate, 'ddsp') from dual;

Output:

TO_CHAR(SYSDATE,'DDSP')
seventeen

Download CSV

5. Check whether it is AM or PM right now

Statement:

select to_char(sysdate, 'am') from dual;

Output:

TO_CHAR(SYSDATE,'AM')
am

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6. Display the date of next Friday

Statement:

select next_day(sysdate, 'Friday') from dual;

Output:

NEXT_DAY(SYSDATE,'FRIDAY')
19-MAR-21

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7. Round the system date on month

Statement:

select round(sysdate, 'month') from dual;

Output:

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

8. Truncate the system date on month

Statement:

select trunc(sysdate, 'month') from dual;

Output:

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

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9. Round the system date on year

Statement:

select round(sysdate, 'year') from dual;

Output:

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

Download CSV

10. Truncate the system date on year

Statement:

select trunc(sysdate, 'year') from dual;

Output:

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

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11. Find the day after three days

Statement:

select to_char(sysdate+3, 'day') from dual;

Output:

TO_CHAR(SYSDATE+3,'DAY')
saturday

Download CSV

Queries Based on EMP table

12. Display day of date of joining column

Statement:

select to_char(DOJ, 'day') from emp;

Output:

TO_CHAR(DOJ,'DAY')
tuesday
monday
wednesday
sunday
tuesday
saturday

Download CSV

13. Display those employees who join the company on Monday

Statement:

select ename from emp where to_char(DOJ, 'fmday') = 'monday';

Output:

ENAME
Bhavya

Download CS

14. Display those employees who join the company this month

Statement:

select ename from emp where to_char(DOJ, 'fmmon') = 'mar';

Output:

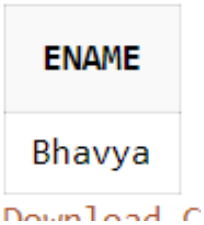
ENAME
Rahul
Bhavya

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

Statement:

select ename from emp where DOJ between sysdate-30 and sysdate;

Output:



ENAME
Bhavya

Create a table train having three four columns

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

Statement:

CREATE TABLE train(trainNo int, DOD date, TOD timestamp, TOA timestamp);

Output:

```
Table created.
```

17. Insert five columns in train table

Statement:

INSERT into train VALUES (101, '17-MAR-2021', '17-MAR-2021 11:36:00', '17-MAR-2021 10:36:00');

INSERT into train VALUES (102, '11-JAN-2021', '11-JAN-2021 12:36:00', '11-JAN-2021 11:40:00');

INSERT into train VALUES (103, '21-JUN-2021', '21-JUN-2021 12:36:00pm', '21-JUN-2021 10:00:00pm');

INSERT into train VALUES (104, '10-FEB-2021', '10-FEB-2021 09:36:00', '10-FEB-2021 07:16:00');

INSERT into train VALUES (105, '01-SEP-2021', '01-SEP-2021 12:00:00pm', '01-SEP-2021 9:30:00pm');

Output:

```
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

Statement:

select * from train;

Output:

TRAINNO	DOD	TOD	TOA
101	17-MAR-21	17-MAR-21 11.36.00.000000 AM	17-MAR-21 10.36.00.000000 AM
102	11-JAN-21	11-JAN-21 12.36.00.000000 PM	11-JAN-21 11.40.00.000000 AM
103	21-JUN-21	21-JUN-21 12.36.00.000000 PM	21-JUN-21 10.00.00.000000 PM
104	10-FEB-21	10-FEB-21 09.36.00.000000 AM	10-FEB-21 07.16.00.000000 AM
105	01-SEP-21	01-SEP-21 12.00.00.000000 PM	01-SEP-21 09.30.00.000000 PM

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19. Display the time values inserted in the columns

Statement:

select TOD, TOA from train;

Output:

TOD	TOA
17-MAR-21 11.36.00.000000 AM	17-MAR-21 10.36.00.000000 AM
11-JAN-21 12.36.00.000000 PM	11-JAN-21 11.40.00.000000 AM
21-JUN-21 12.36.00.000000 PM	21-JUN-21 10.00.00.000000 PM
10-FEB-21 09.36.00.000000 AM	10-FEB-21 07.16.00.000000 AM
01-SEP-21 12.00.00.000000 PM	01-SEP-21 09.30.00.000000 PM

Download CSV

20. Display those trains which arrived on PM

Statement:

select * from train where to_char(TOA, 'am')='pm';

Output:

TRAINNO	DOD	TOD	TOA
103	21-JUN-21	21-JUN-21 12.36.00.000000 PM	21-JUN-21 10.00.00.000000 PM
105	01-SEP-21	01-SEP-21 12.00.00.000000 PM	01-SEP-21 09.30.00.000000 PM

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

Statement:

select * from train where TOD between sysdate and sysdate+60;

In sql: select * from train where TOD between sysdate and sysdate+1/24;

Output:

TRAINNO	DOD	TOD	TOA
101	17-MAR-21	17-MAR-21 11.36.00.000000 AM	17-MAR-21 10.36.00.000000 AM

Download CSV