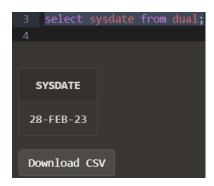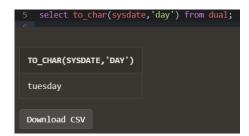# Assignment-6

Write queries to:

1. **Display the system date**

   select sysdate from dual;

2. **Display current day**
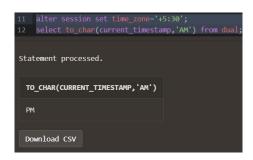   select to_char(sysdate,'day') from dual;

3. **Display current month and spell out year**
   select to_char(sysdate,'MM year') from dual;

4. **Display spell out current date**
   select to_char(sysdate,'Ddspth') from dual;

5. **Check whether it is AM or PM right now**
   alter session set time_zone='+5:30';
   select to_char(current_timestamp,'AM') from dual;

```
11  alter session set time_zone='+5:30';
12  select to_char(current_timestamp,'AM') from dual;

Statement processed.


  TO_CHAR(CURRENT_TIMESTAMP,'AM')

  PM


Download CSV
```

6. **Display the date of next Friday**
   select Next_day(sysdate,'friday') from dual;

```
14  select Next_day(sysdate,'friday') from dual;
15

  NEXT_DAY(SYSDATE,'FRIDAY')

  03-MAR-23


Download CSV
```

7. **Round the system date on month**
   select round(sysdate,'MM') from dual;

```
16  select round(sysdate,'MM') from dual;


  ROUND(SYSDATE,'MM')

  01-MAR-23


Download CSV
```

8. **Truncate the system date on month**
   select trunc(sysdate,'MM') from dual;

```
18  select trunc(sysdate,'MM') from dual;


  TRUNC(SYSDATE,'MM')

  01-FEB-23


Download CSV
```

9. **Round the system date on year**
   select round(sysdate,'YYYY') from dual;

```
20   select round(sysdate,'YYYY') from dual;


ROUND(SYSDATE,'YYYY')

01-JAN-23

Download CSV
```

10. **Truncate the system date on year**
    select trunc(sysdate,'YYYY') from dual;

```
22   select trunc(sysdate,'YYYY') from dual;


TRUNC(SYSDATE,'YYYY')

01-JAN-23

Download CSV
```

11. **Find the day after three days**
    select to_char(sysdate+3,'day') from dual;

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


TO_CHAR(SYSDATE+3,'DAY')

friday

Download CSV
```

Table Emp from Assignment 2:

EMPNO	ENAME	JOB	SALARY	COMMISION	DEPTNO	DATEOFJOINING
1	pulkit	CEO	5000	2000	10	23-OCT-22
2	Nimrat	Manager	4000	1000	20	30-JAN-23
3	Aman	Salesperson	3000	100	30	02-FEB-23
4	Geet	Clerk	2000	-	40	31-DEC-22
5	Abhinav	employee	1000	-	50	20-FEB-23

12. **Display day of date of joining column**
    select to_char(dateofjoining,'DAY') from emp;

```
20  select to_char(dateofjoining,'DAY') from emp;
```

TO_CHAR(DATEOFJOINING,'DAY')
SUNDAY
MONDAY
THURSDAY
SATURDAY
MONDAY

13. **Display those employees who join the company on Monday**
 select ENAME from emp where trim(TO_CHAR(dateofjoining,'DAY'))='MONDAY';

```
22  select ENAME from emp where trim(TO_CHAR(dateofjoining,'DAY'))='MONDAY';
```

ENAME
Nimrat
Abhinav

14. **Display those employees who join the company this month**
    select ename from emp where
    to_char(dateofjoining,'MON')=to_char(sysdate,'MON');

```
23  select ename from emp where to_char(dateofjoining,'MON')=to_char(sysdate,'MON');
```

ENAME
Aman
Abhinav

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

    select ename from emp where dateofjoining BETWEEN sysdate-30 AND sysdate;

```
24   select ename from emp where dateofjoining BETWEEN sysdate-30 AND sysdate;

     ENAME

     Nimrat

     Aman

     Abhinav
```

Create a table train having three four columns

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

```
6
7   create table train(TrainNumber int, DateOfDeparture DATE, TimeOfDeparture TIMESTAMP, TimeOfArrival TIMESTAMP);


Table created.
```

17. **Insert five columns in train table**

    insert into train values(14532, '28-FEB-2023 12:57:06 PM', '28-FEB-2023 6:50:09 PM');
    insert into train values(12028, '03-MAR-2023 02:27:00 AM', '04-MAR-2023 3:50:49 PM');
    insert into train values(21125, '12-MAY-2023 10:57:06 AM', '12-MAY-2023 2:50:00 PM');
    insert into train values(12546, '01-MAR-2023 07:40:00 PM', '01-MAR-2023 09:50:09 PM');
    insert into train values(18954, '27-FEB-2023 09:19:09 PM', '28-FEB-2023 09:18:09 PM');

18. **Display all the records**

    select * from train;

TRAINNUMBER	DATENTIMEOFDEPARTURE	DATENTIMEOFARRIVAL
14532	28-FEB-23 12.57.06.000000 PM	28-FEB-23 06.50.09.000000 PM
12028	03-MAR-23 02.27.00.000000 AM	04-MAR-23 03.50.49.000000 PM
21125	12-MAY-23 10.57.06.000000 AM	12-MAY-23 02.50.00.000000 PM
12546	01-MAR-23 07.40.00.000000 PM	01-MAR-23 08.35.09.000000 PM
18954	27-FEB-23 09.19.09.000000 PM	28-FEB-23 09.18.09.000000 PM

19. **Display the time values inserted in the columns**
    select TO_CHAR(DateNTimeOfDeparture,'hh:mm:ss'), TO_CHAR(DateNTimeOfArrival, 'hh:mm:ss') from train;

TO_CHAR(DATENTIMEOFDEPARTURE,'HH:MM:SS')	TO_CHAR(DATENTIMEOFARRIVAL,'HH:MM:SS')
02:03:00	03:03:49
10:05:06	02:05:00
07:03:00	09:03:09
09:02:09	09:02:09
12:02:06	06:02:09

20. **Display those trains which arrived on PM**
    select * from train where TO_CHAR(DateNTimeOfArrival, 'PM') = 'PM';

TRAINNUMBER	DATENTIMEOFDEPARTURE	DATENTIMEOFARRIVAL
14532	28-FEB-23 12.57.06.000000 PM	28-FEB-23 06.50.09.000000 PM
12028	03-MAR-23 02.27.00.000000 AM	04-MAR-23 03.50.49.000000 PM
21125	12-MAY-23 10.57.06.000000 AM	12-MAY-23 02.50.00.000000 PM
12546	01-MAR-23 07.40.00.000000 PM	01-MAR-23 08.35.09.000000 PM
18954	27-FEB-23 09.19.09.000000 PM	28-FEB-23 09.18.09.000000 PM

21. **Display train number who are going to depart in next on hour.**
    select TrainNumber from train where DateNTimeOfDeparture between sysdate and (sysdate +1/24);

no data found

`

Lab Assignment–7

(Continued from Lab Assignbment-4)
Q1) Check the structure of tables.

Desc emp;

TABLE EMP

Column	Null?	Type
EMPNO	NOT NULL	NUMBER
ENAME	-	VARCHAR2(25)
JOB	-	VARCHAR2(20)
SAL	NOT NULL	NUMBER
DEPTNO	-	NUMBER

Desc book;

TABLE BOOK

Column	Null?	Type
RNO	NOT NULL	NUMBER
DOI	-	DATE
DOR	-	DATE

Desc st;

TABLE ST

Column	Null?	Type
RNO	NOT NULL	NUMBER
CLASS	NOT NULL	CHAR(5)
MARKS	-	NUMBER

Desc s;

TABLE S

Column	Null?	Type
SNO	NOT NULL	NUMBER
SNAME	-	VARCHAR2(25)
CITY	-	VARCHAR2(10)

Desc p;

TABLE P

Column	Null?	Type
PNO	NOT NULL	NUMBER
PNAME	-	VARCHAR2(20)
COLOR	-	VARCHAR2(20)

Desc sp;

TABLE SP

Column	Null?	Type
SNO	NOT NULL	NUMBER
PNO	NOT NULL	NUMBER
QTY	-	NUMBER

Desc dept;

TABLE DEPT

Column	Null?	Type
DEPTNO	NOT NULL	NUMBER
DNAME	-	VARCHAR2(20)

Q2) Check the constraint name for applied constraints?
select CONSTRAINT_NAME,CONSTRAINT_TYPE,TABLE_NAME,SEARCH_CONDITION,STATUS from user_constraints;

CONSTRAINT_NAME	CONSTRAINT_TYPE	TABLE_NAME	SEARCH_CONDITION	STATUS
SYS_C00114992176	C	EMP	"SAL" IS NOT NULL	ENABLED
SYS_C00114992177	C	EMP	job='prof' or job='AP' or job='lect'	ENABLED
SYS_C00114992178	P	EMP	-	ENABLED
SYS_C00114992179	U	EMP	-	ENABLED
SYS_C00114992180	C	BOOK	DOR>DOI	ENABLED
SYS_C00114992181	P	BOOK	-	ENABLED
SYS_C00114992182	C	ST	marks>0	ENABLED
SYS_C00114992183	P	ST	-	ENABLED

CONSTRAINT_NAME	CONSTRAINT_TYPE	TABLE_NAME	SEARCH_CONDITION	STATUS
SYS_C00114992286	R	SP	-	ENABLED
SYS_C00114992287	R	SP	-	ENABLED
SYS_C00114992176	C	EMP	"SAL" IS NOT NULL	ENABLED
SYS_C00114992177	C	EMP	job='prof' or job='AP' or job='lect'	ENABLED
SYS_C00114992178	P	EMP	-	ENABLED
SYS_C00114992179	U	EMP	-	ENABLED
SYS_C00114992180	C	BOOK	DOR>DOI	ENABLED
SYS_C00114992181	P	BOOK	-	ENABLED
SYS_C00114992182	C	ST	marks>0	ENABLED
SYS_C00114992183	P	ST	-	ENABLED
SYS_C00114992283	P	S	-	ENABLED
SYS_C00114992284	P	P	-	ENABLED
SYS_C00114992285	P	SP	-	ENABLED
SYS_C00114992288	C	DEPT	dname IN('Acc','comp','elect')	ENABLED
SYS_C00114992289	P	DEPT	-	ENABLED

Q3) Drop the unique constraint on ENAME

ALTER TABLE EMP
DROP UNIQUE(ENAME);

```
Table altered.
```

Q4) Drop the Foreign Key constraint on DEPTNO
ALTER TABLE EMP
DROP constraint emp_deptno_FOREIGN KEY;

```
Table altered.
```

Q5) Add Foreign Key constraint on DEPTNO
alter table emp add constraint EMP_DEPTNO_FK foreign key
(deptno) references dept(deptno);

```
Table altered.
```

Q6) Change Data type of ENAME
ALTER TABLE EMP
modify ename char(25);

```
Table altered.
```

Q7) Change width of DNAME
ALTER TABLE dept
modify dname varchar(50);

```
Table altered.
```

Q8) Add COMM column in EMP table
alter table emp add comm int;

```
Table altered.
```

Q9) Drop CITY column from P table
alter table s drop column city;

```
Table altered.
```

Q10) Create duplicate copy of EMP table
create table emp_copy as select * from emp;

```
Table altered.
```

Q11) Copy structure of DEPT table in another table with different column names
create table dept_copy as select deptno as deptno2,dname as dname2 from dept;

```
Table altered.
```

Q12) Change the name and job of the employee whose EMPNO =100
update emp set ename='Eakansh',job='ceo' where empno=2;

```
0 row(s) updated.
```

Q13) Delete the record of employee who belongs to computer department
delete from emp where deptno=12;

```
1 row(s) deleted.
```

Q14) Drop DEPT Table
Drop table dept;

```
Table dropped.
```

Q15) Drop duplicate table of EMP table
Drop table emp_copy;

```
Table dropped.
```