

Assignment-9

1. Give Syntax and Queries to demonstrate the use of following Date functions in System Defined Table

a. Add_months(d,n)

select Add_months('04-oct-12',3) from dual;

Workspace

Enter SQL, PL/SQL and SQL*Plus statements.
select Add_months('04-oct-12',3) from dual;

Execute Load Script Save Script Cancel

ADD_MONTHS('04-OCT

04-JAN-13

b. Last_day(d)

select Last_day('04-oct-12') from dual;

Workspace

Enter SQL, PL/SQL and SQL*Plus statements.
select Last_day('04-oct-12') from dual;

Execute Load Script Save Script Cancel

LAST_DAY('04-OCT-1

31-OCT-12

c. Months between(d2,d1)

select months_between('04-oct-12','03-Aug-12') from dual;

Workspace

Enter SQL, PL/SQL and SQL*Plus statements.
select months_between('04-oct-12','03-Aug-12') from dual;

Execute Load Script Save Script Cancel

MONTHS_BETWEEN('04-OCT-12','03-AUG-12')

2.03225806

select round(months_between('04-oct-12','03-Aug-12')) from dual;

Workspace

Enter SQL, PL/SQL and SQL*Plus statements.

select round(months_between('04-oct-12','03-Aug-12')) from dual;

Execute Load Script Save Script Cancel

ROUND(MONTHS_BETWEEN('04-OCT-12','03-AUG-12'))

2

d. Next_day(d,day)

select next_day('04-oct-12','Thursday') from dual;

Workspace

Enter SQL, PL/SQL and SQL*Plus statements.

select next_day('04-oct-12','Thursday') from dual;

Execute Load Script Save Script Cancel

NEXT_DAY('04-OCT-1

11-OCT-12

2. Create table task__ and perform the following operations

Task_name	Start_date	End_Date
Planning	01-april-1995	23-april-1995
Analysis	24-april-1995	14-may-1995
Design	15-may-1995	30-may-1995
Coding	01-june-1995	30-june-1995
Testing	01-july-1995	02-aug-1995

create table task_050(Task_name varchar(10),Start_date date, End_date date);

desc task_050;

Workspace

Enter SQL, PL/SQL and SQL*Plus statements.

desc task_050;

Execute Load Script Save Script Cancel

Name	Null?	Type
TASK_NAME		VARCHAR2(10)
START_DATE		DATE
END_DATE		DATE

```
insert into task_050 values('Planning','01-April-1995','23-April-1995');
```

Workspace

Enter SQL, PL/SQL and SQL*Plus statements.

```
insert into task_050 values('Planning','01-April-1995','23-April-1995');
```

Execute

Load Script

Save Script

Cancel

1 row created.

```
insert into task_050 values('Analysis','24-April-1995','14-May-1995');
```

```
insert into task_050 values('Design','15-May-1995','30-May-1995');
```

```
insert into task_050 values('Coding','01-June-1995','30-June-1995');
```

```
insert into task_050 values('Testing','01-July-1995','02-Aug-1995');
```

```
select * from task_050;
```

Workspace

Enter SQL, PL/SQL and SQL*Plus statements.

```
select * from task_050;
```

Execute

Load Script

Save Script

Cancel

TASK_NAME	START_DATE	END_DATE
Planning	01-APR-95	23-APR-95
Analysis	24-APR-95	14-MAY-95
Design	15-MAY-95	30-MAY-95
Coding	01-JUN-95	30-JUN-95
Testing	01-JUL-95	02-AUG-95

- a. Increase End date by 3 months and name the column as new end date

select add_months(end_date,3) as "New enddate" from task_050;

Workspace

Enter SQL, PL/SQL and SQL*Plus statements.

```
select add_months(end_date,3) as "New enddate" from  
task_050;
```

Execute

Load Script

Save Script

Cancel

New enddate
23-JUL-95
14-AUG-95
30-AUG-95
30-SEP-95
02-NOV-95

- b. Find the last working day of every end date

select last_day(end_date) from task_050;

Workspace

Enter SQL, PL/SQL and SQL*Plus statements.

```
select last_day(end_date) from task_050;
```

Execute

Load Script

Save Script

Cancel

LAST_DAY(END_DATE)
30-APR-95
31-MAY-95
31-MAY-95
30-JUN-95
31-AUG-95

c. Calculate months between start date and end date.

```
select months_between(end_date,start_date) from task_050;
```

Workspace

Enter SQL, PL/SQL and SQL*Plus statements.

```
select months_between(end_date,start_date) from task_050;
```

Execute

Load Script

Save Script

Cancel

MONTHS_BETWEEN(END_DATE,START_DATE)	
	.709677419
	.677419355
	.483870968
	.935483871
	1.03225806

d. Find the next working day of every start date.

```
select next_day(start_date,'Monday') from task_050;
```

Workspace

Enter SQL, PL/SQL and SQL*Plus statements.

```
select next_day(start_date,'Monday') from task_050;
```

Execute

Load Script

Save Script

Cancel

NEXT_DAY(START_DAT
03-APR-95
01-MAY-95
22-MAY-95
05-JUN-95
03-JUL-95

3. Give Syntax and Queries to demonstrate the use of following Date functions in System Defined Table

a. To_Char()

select to_char('123.76','\$999.99') from dual;

Workspace

Enter SQL, PL/SQL and SQL*Plus statements.

select to_char('123.76','\$999.99') from dual;

Execute Load Script Save Script Cancel

TO_CHAR('123.76','\$999.99')

\$123.76

b. To_Date()

select to_date('070903','mmddyy')
from dual;

Workspace

Enter SQL, PL/SQL and SQL*Plus statements.

select to_date('070903','mmddyy') from dual;

Execute Load Script Save Script Cancel

TO_DATE('070903','mmddyy')

09-JUL-03

c. To_number

select to_number(('15')+3) from dual;

Workspace

Enter SQL, PL/SQL and SQL*Plus statements.

select to_number(('15')+3) from dual;

Execute Load Script Save Script Cancel

TO_NUMBER(('15')+3)

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