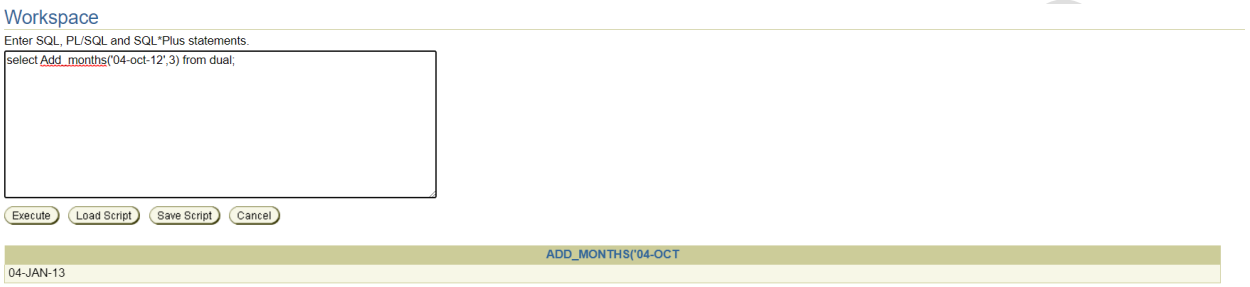
Assignment-9

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

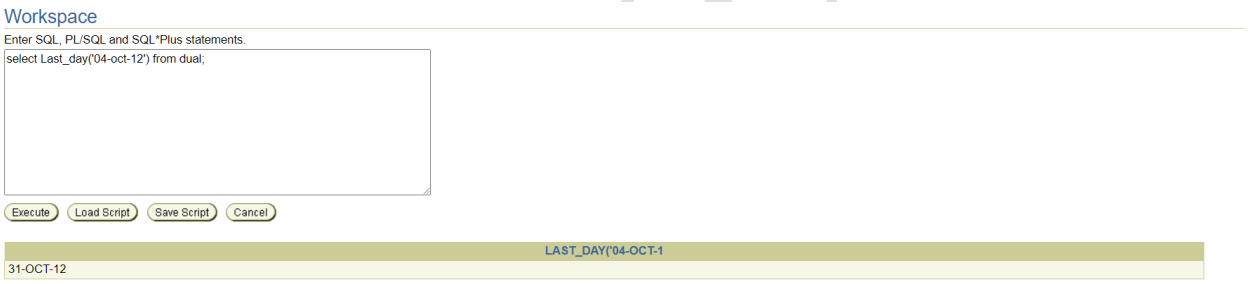
   a. Add_months(d,n)

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



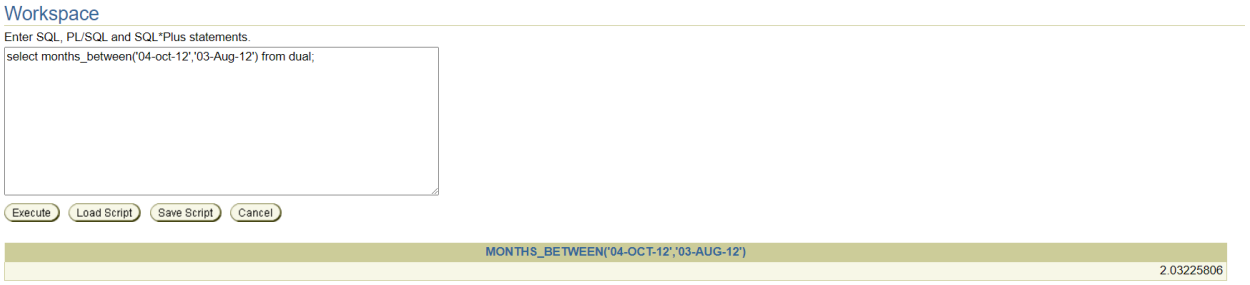
   b. Last_day(d)

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

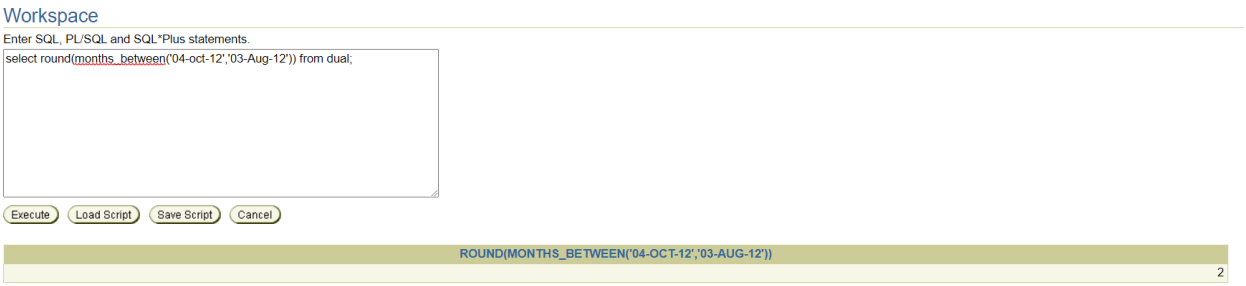


   c. Months between(d2,d1)

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

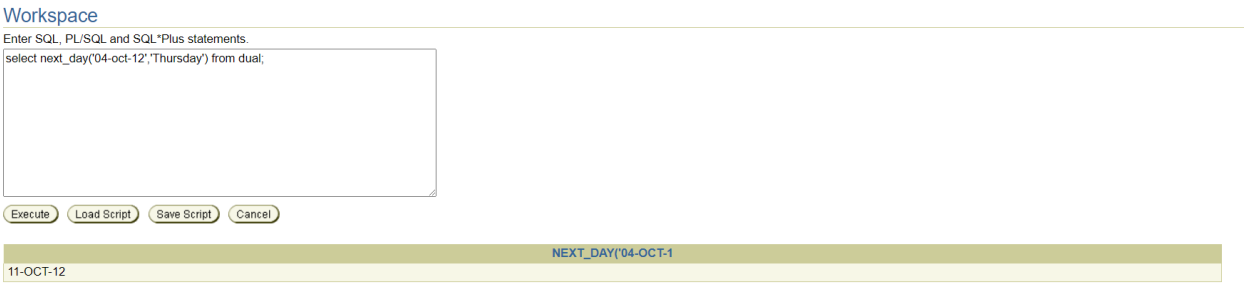


select round(months_between('04-oct-12','03-Aug-12')) from dual;



d. Next_day(d,day)

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

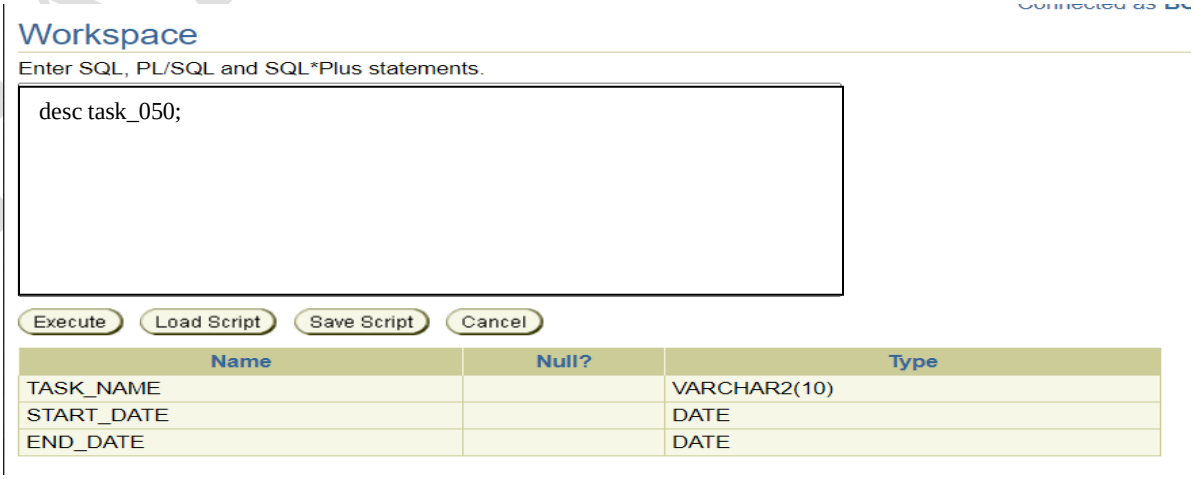


2. Create table task___ and perform the following operations

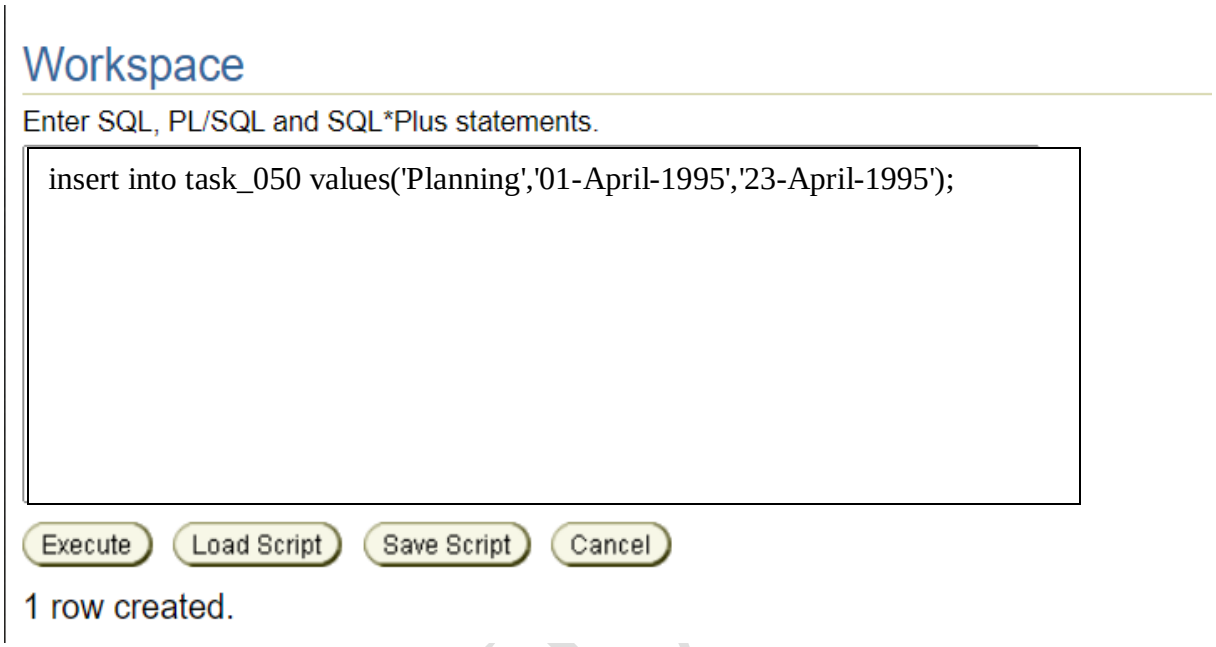
Task_name	Start_date	End_Date
Planning	01-april-1995	23-april-1995
Analysis	24-april-1995	14-may-1995
Design	15-may-1995	30-may-1995
Coding	01-june-1995	30-june-1995
Testing	01-july-1995	02-aug-1995

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

desc task_050;



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



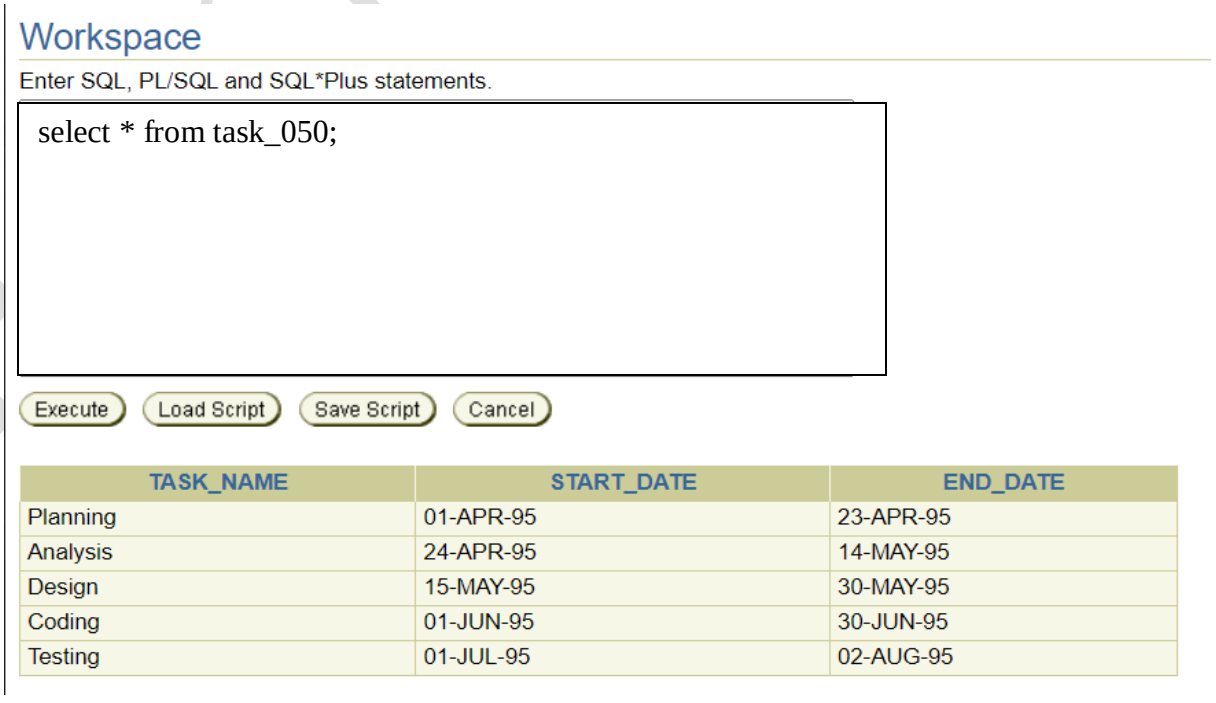
insert into task_050 values('Analysis','24-April-1995','14-May-1995');

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');

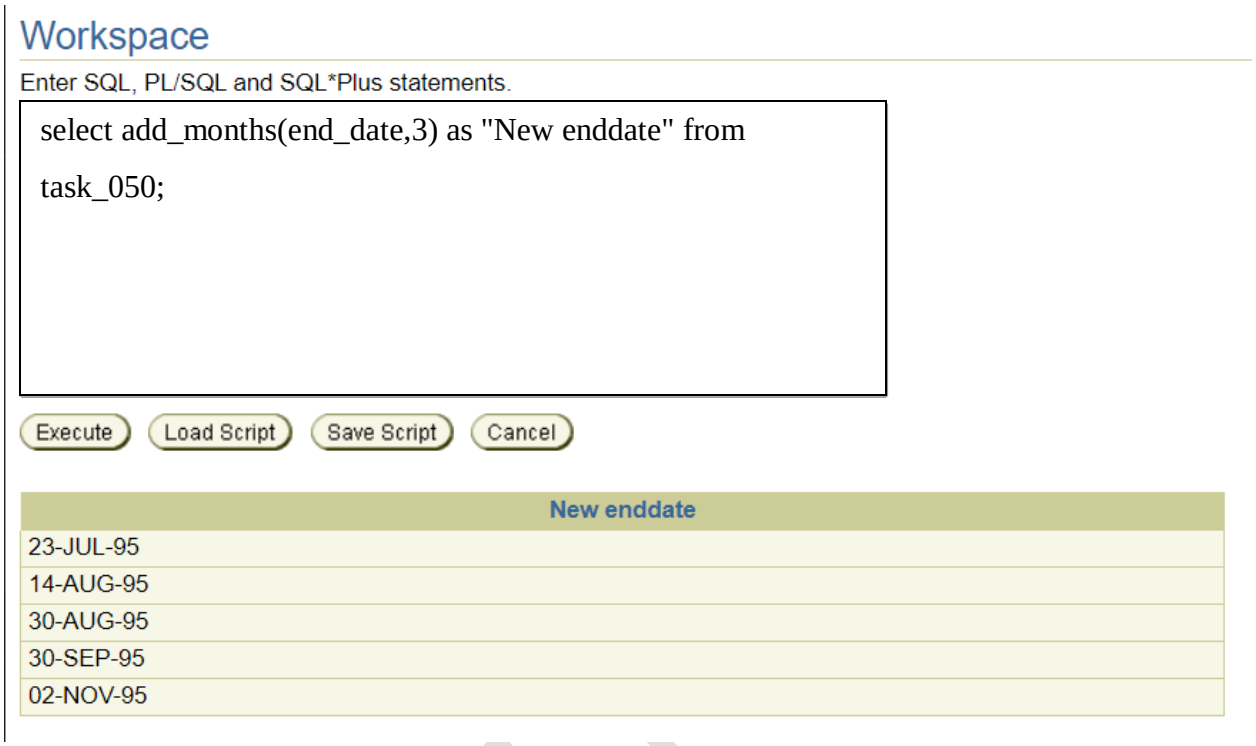
select * from task_050;



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

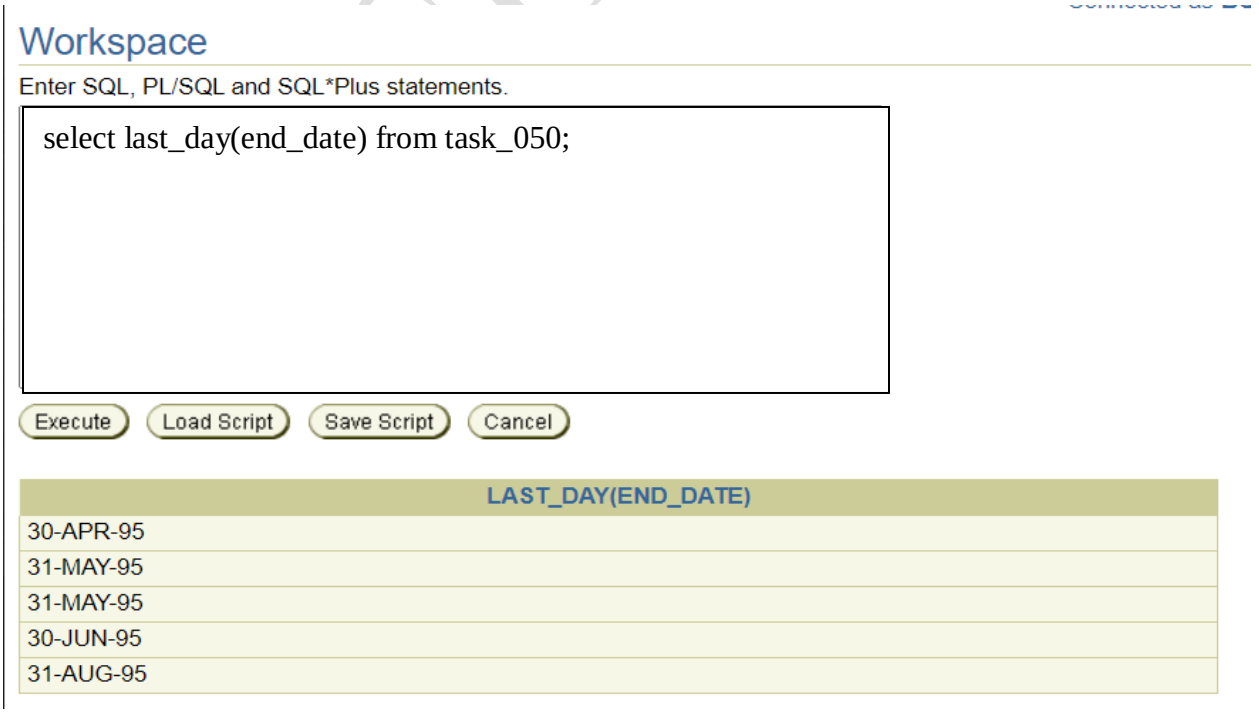
select add_months(end_date,3) as "New enddate" from task_050;



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

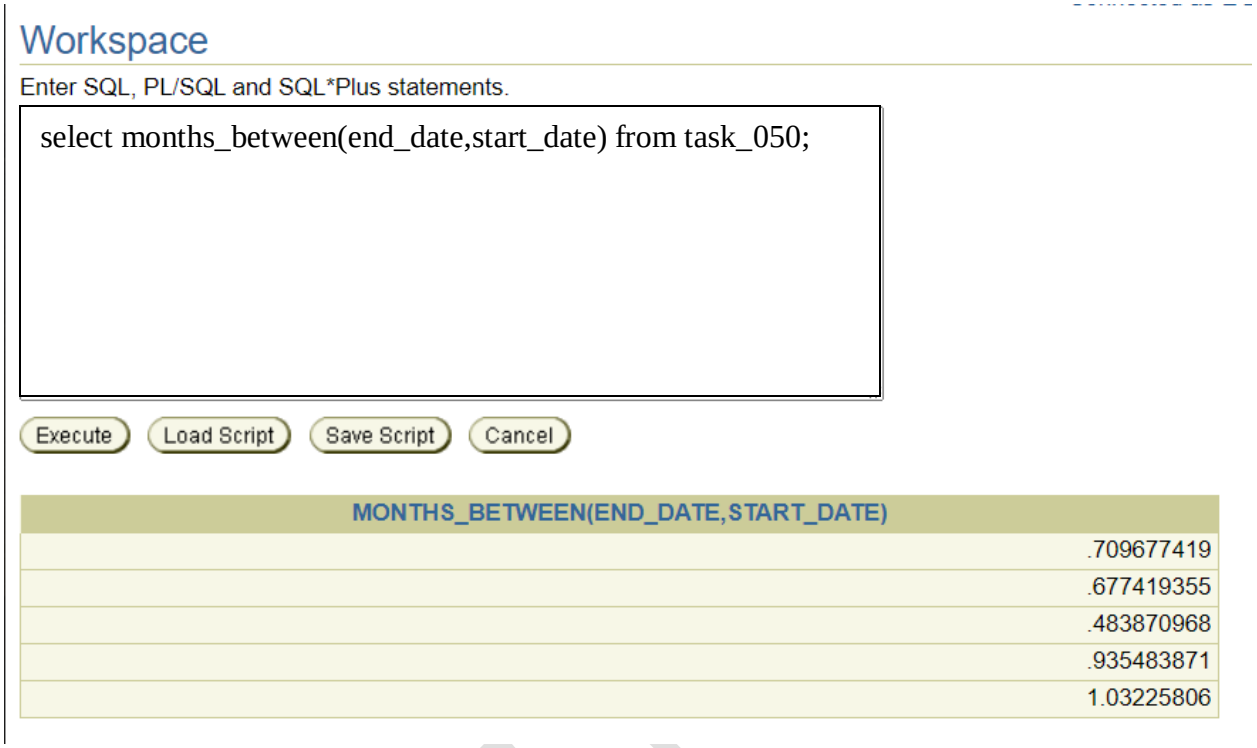
select last_day(end_date) from task_050;



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.

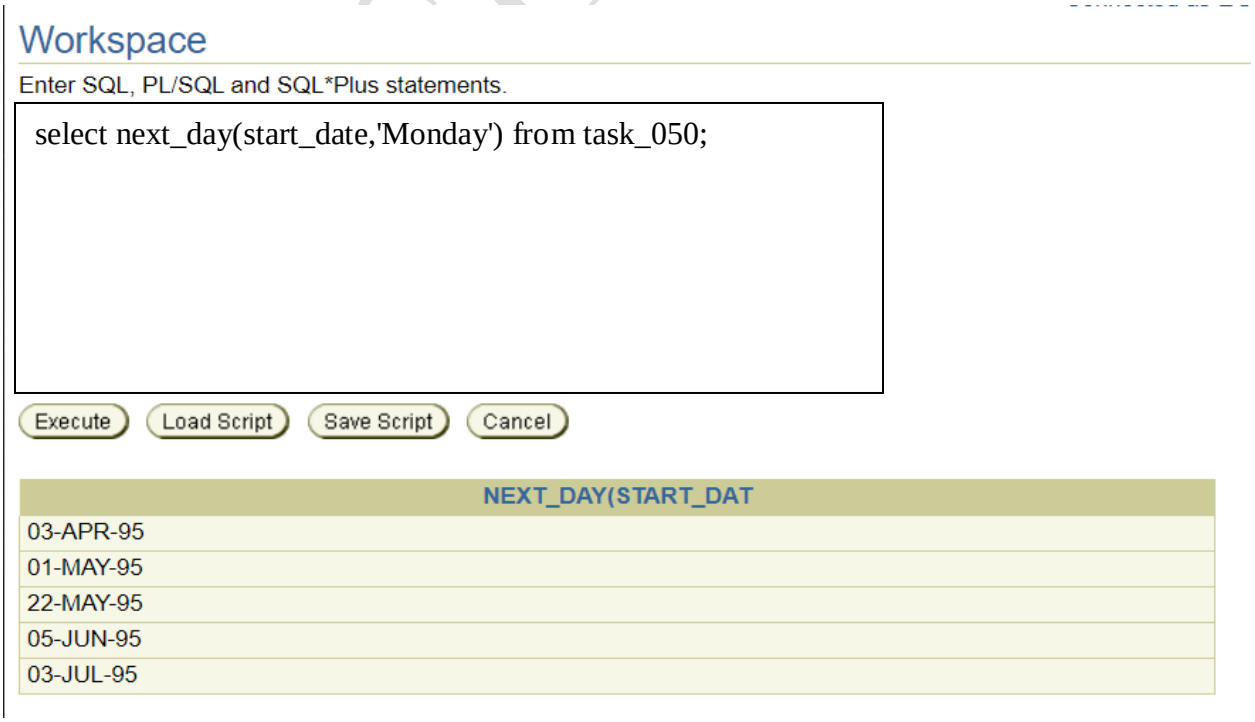
select months_between(end_date,start_date) from task_050;



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;

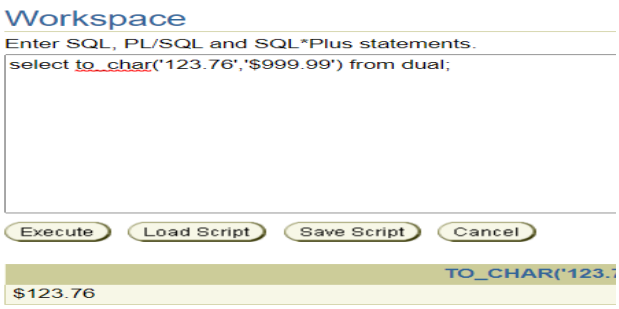


NEXT_DAY(START_DAT
03-APR-95
01-MAY-95
22-MAY-95
05-JUN-95
03-JUL-95

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

   a. To_Char()

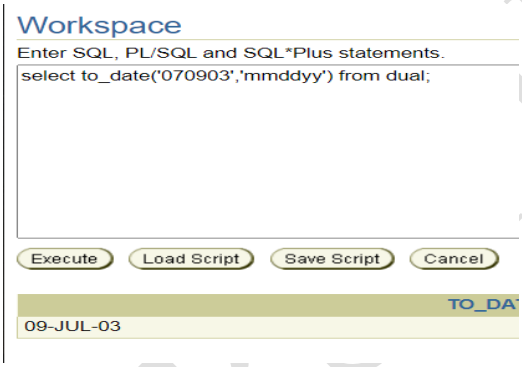
select to_char('123.76','$999.99') from dual;



   b. To_Date()

   select to_date('070903','mmddyy')

   from dual;



   c. To_number

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