Assignment 6

- 1. Give Syntax and Queries to demonstrate the use of following Numeric functions in System Defined Table
 - a. Absolute

f. Power

k. Trunc

b. Ceil

Tan g.

Greatest

c. Floor

h. Cos

m. Least

d. Round

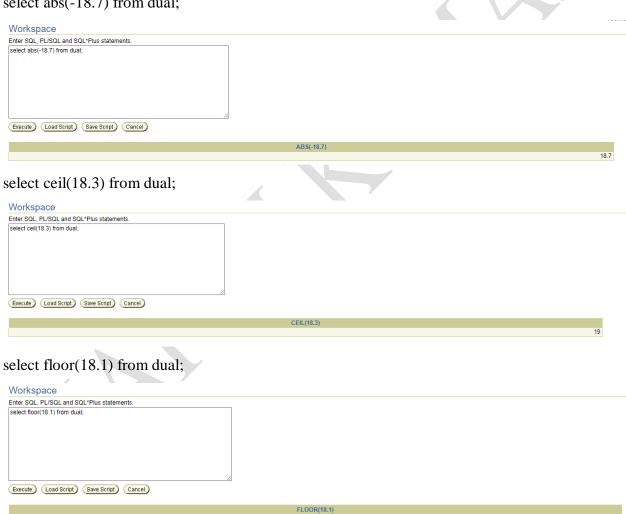
Sin

n. sqrt

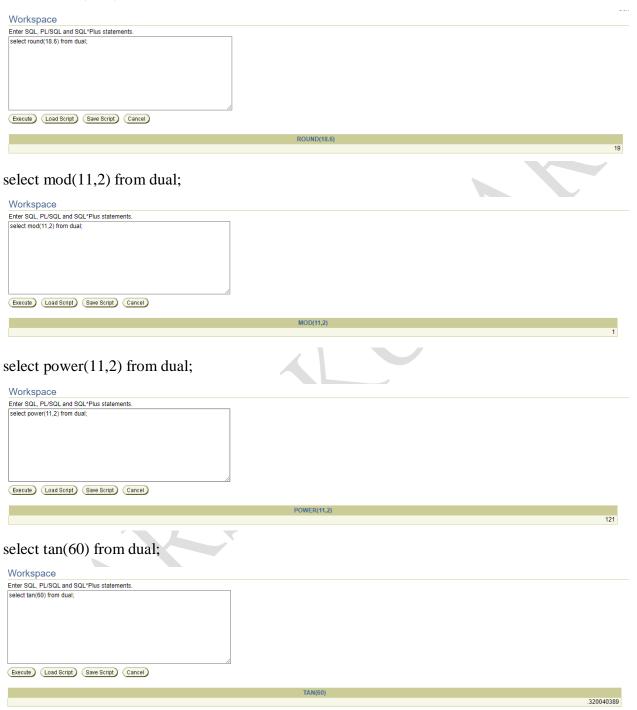
e. Mod

Log

select abs(-18.7) from dual;



select round(18.6) from dual;



select cos(45) from dual;



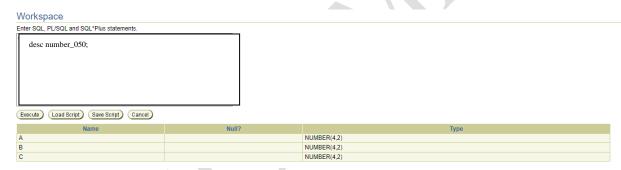
select greatest(11,2,17,14) from dual;



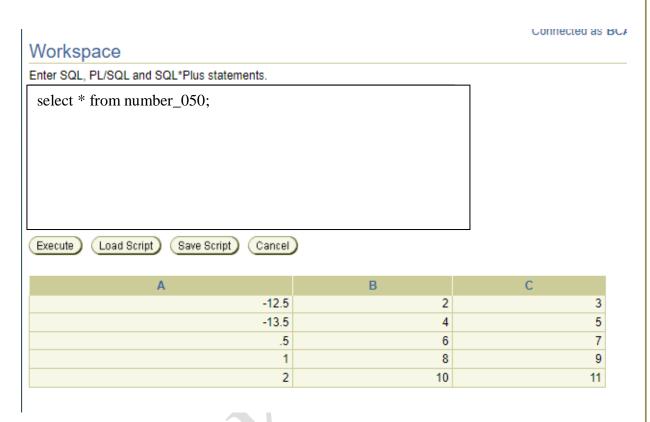
2. Create the following table and perform the below mentioned Queries

A	В	С
-12.5	2	3
-13.5	4	5
0.5	6	7
1.0	8	9
2.0	10	11

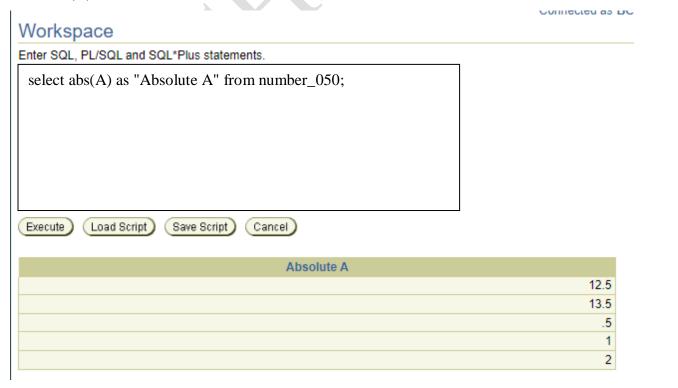
create table number_050(A number(4,2),B number(4,2),C number(4,2)); desc number_050;



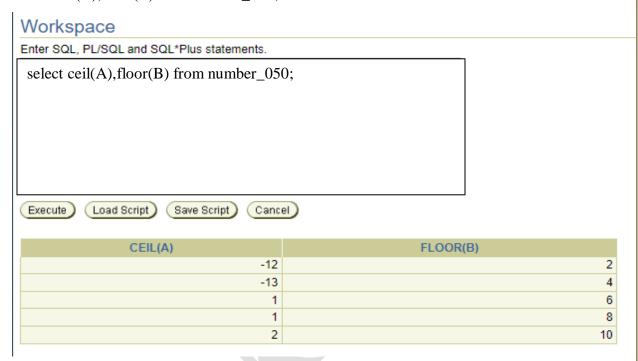
insert into number_050 values(-12.5,2,3); insert into number_050 values(-13.5,4,5); insert into number_050 values(0.5,6,7); insert into number_050 values(1.0,8,9); insert into number_050 values(2.0,10,11) select * from number_050;



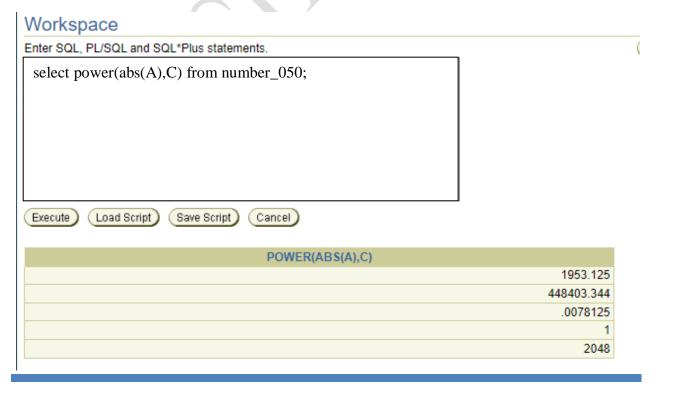
a. Find the absolute value of Column A and name it as "Absolute A" select abs(A) as "Absolute A" from number_050;



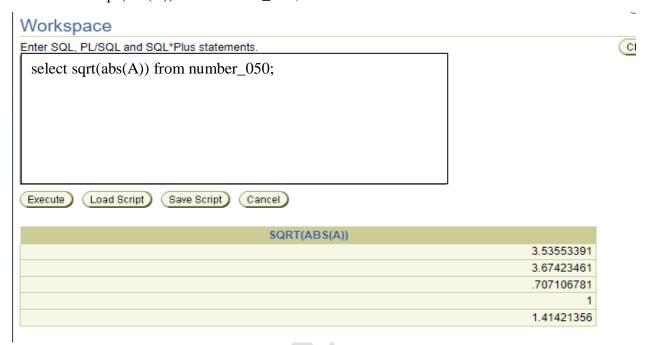
b. Find the upper and lower values of Column A and column B respectively. select ceil(A),floor(B) from number_050;



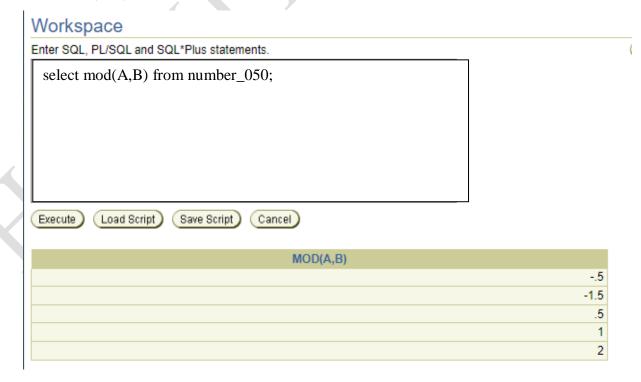
c. Find the Power value using Absolute A as base and column C as its power. select power(abs(A),C) from number_050;



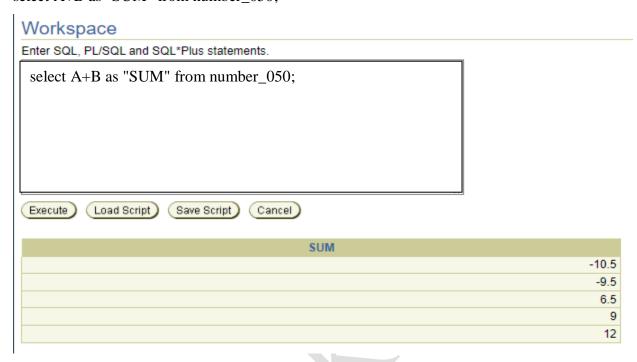
d. Find the square root of Column Aselect sqrt(abs(A)) from number_050;



e. Find the value of A mod Bselect mod(A,B) from number_050;



f. Find the sum of column A and Column B select A+B as "SUM" from number_050;



- 3. Give Syntax and Queries to demonstrate the use of following Character functions in System Defined Table
- a. Initcap
- b. Length
- c. Substr
- d. Instr
- e. Trim
- f. Ltrim
- g. Rtrim
- h. Lpad
- i. Rpad
- j. Upper
- k. Lower
- 1. Replace

select initcap ('ram') from dual;



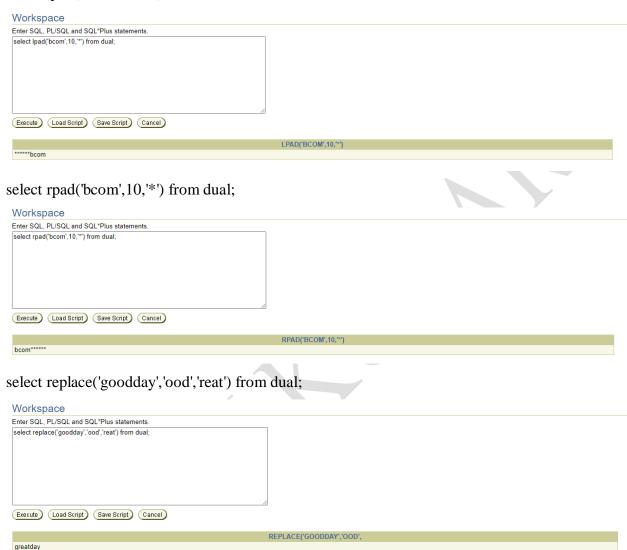
select substr('university',3,4) from dual; Workspace Enter SQL, PL/SQL and SQL*Plus statements. select substr('university',3,4) from dual; Execute Load Script Save Script Cancel SUBSTR('UNIV select trim('r' from 'rrrrrrnnnnnnnrrrr') from dual; Workspace Enter SQL, PL/SQL and SQL*Plus statements. select trim('r' from 'rrrrrrnnnnnnnnrrrr') from dual; Execute Load Script Save Script Cancel TRIM('R'FROM'RRRRRRRNNNN select ltrim('rrrmmmmrrrm','r') from dual; Workspace Enter SQL, PL/SQL and SQL*Plus statements. select ltrim('rrrmmmmmrrrmmmmrrrrr','r') from dual; Execute Load Script Save Script Cancel mmmmrrrrmmmmrrrrr select rtrim('rrrmmmmrrrrrr','r') from dual; Workspace Enter SQL, PL/SQL and SQL*Plus statements. select rtrim('rrrmmmmmrrrmmmmrrrrr','r') from dual;

RTRIM('RRRMMMMRRRMMMMRRRRR','R')

Execute Load Script Save Script Cancel

rrrmmmmrrrmmmm

select lpad('bcom',10,'*') from dual;



4. Create the following table and perform the below mentioned Queries

Eid	Ename	Designation	Salary	City
101	Rajiv	Manager	10000	Delhi
102	Sita	Clerk	5000	Mumbai
103	Ram	Manager	10000	Chennai
104	Ramesh	Assistant	8000	Hyderabad
105	Shyam	Clerk	5000	Delhi

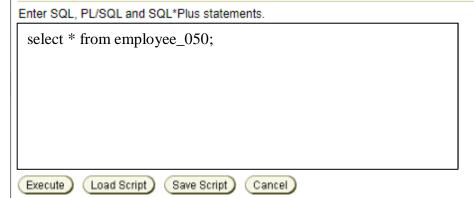
create table employee_050(Eid number(10), Ename varchar(15), Designation varchar(15), Salary number(10), city varchar(15));

desc employee_050;



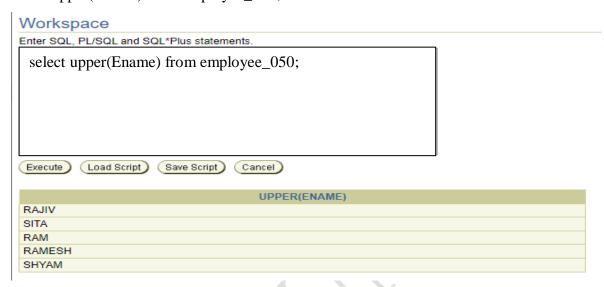
insert into employee_050 values(101,'Rajiv','Manager',10000,'Delhi'); insert into employee_050 values(102,'Sita','Clerk',5000,'Mumbai'); insert into employee_050 values(103,'Ram','Manager',10000,'Chennai'); insert into employee_050 values(104,'Ramesh','Assistant',8000,'Hyderabad'); insert into employee_050 values(105,'Shyam','Clerk',5000,'Delhi'); select * from employee_050;

Workspace

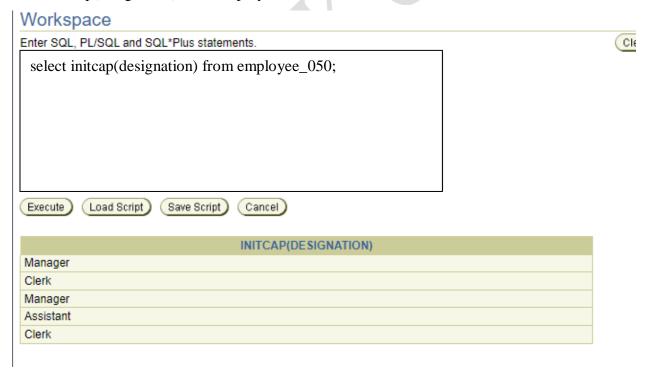


EID	ENAME	DESIGNATION	SALARY	CITY
101	Rajiv	Manager	10000	Delhi
102	Sita	Clerk	5000	Mumbai
103	Ram	Manager	10000	Chennai
104	Ramesh	Assistant	8000	Hyderabad
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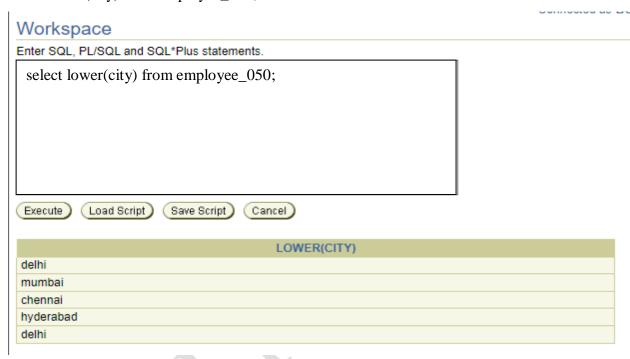
a. Convert the name of employees into uppercase select upper(Ename) from employee_050;



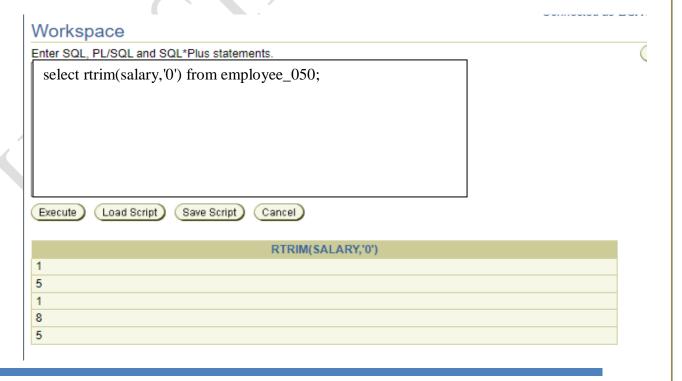
b. Capitalize the first letter of the designation of Employees select initcap(designation) from employee_050;



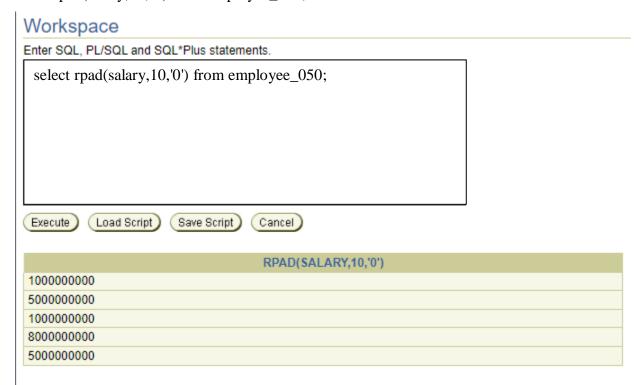
c. Convert the city column into lowercase letters select lower(city) from employee_050;



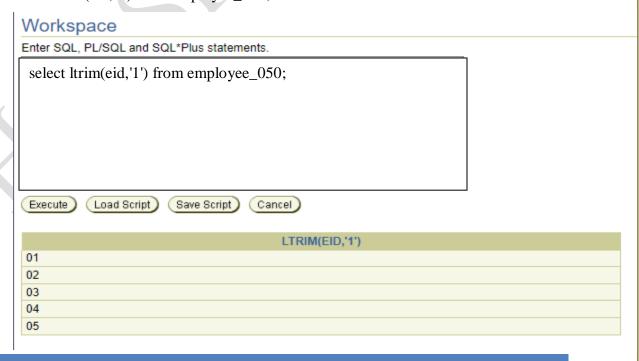
d. Trim zeroes from salary columnselect rtrim(salary,'0') from employee_050;



e. Pad the salary to 10 digits using Zeroes on right side select rpad(salary,10,'0') from employee_050;

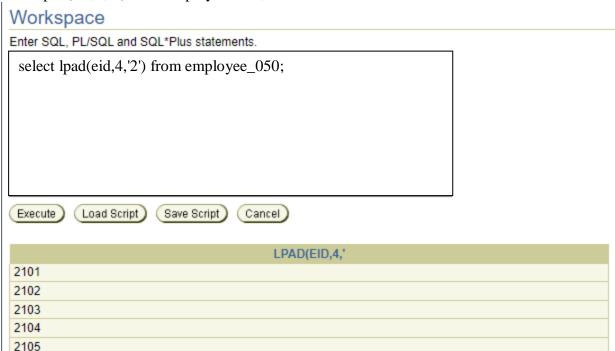


f. Remove 1 from eid columnselect ltrim(eid,'1') from employee_050;

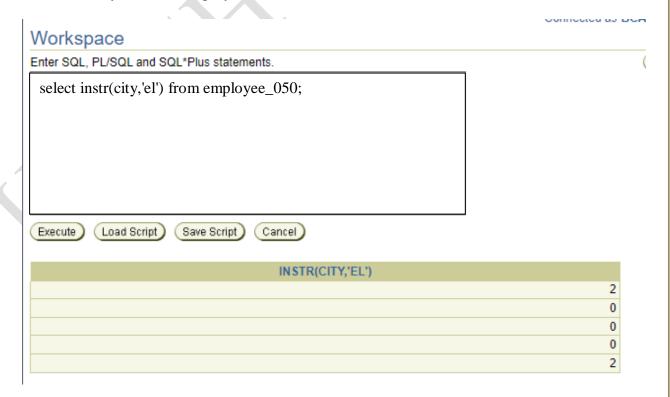


g. Prefix 2 to eid column

select lpad(eid,4,'2') from employee_050;



h. Find the location of word "el" in city column select instr(city, 'el') from employee_050;



Find the first two digits of city column select substr(city,1,2) from employee_050;

