**EXP 13 Functions**

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1. Write a function to add two numbers.

create or replace function addValues(x IN number, y IN number) return number is

begin

return x + y;

end;

declare

a number;

b number;

c number;

begin

a:=:a;

b:=:b;

c:=addValues(a, b);

dbms\_output.put\_line('Sum of ' || a || ' and ' || b || ' is ' || c);

end;

**OUPUT**

Sum of 5 and 10 is 15

1. Write a function to print a message hello

create or replace function printHello return varchar is

begin

return 'hello';

end;

declare

str varchar(20);

begin

str := printHello();

dbms\_output.put\_line(str);

end;

**OUPUT**

hello

1. Write a function to return the name of faculty if id is entered and also create a function to find the number of faculty members in a particular department for a given department.

create table faculty\_members(id number, dept\_no number, name varchar(20));

insert into faculty\_members values (1, 1,'Akash');

insert into faculty\_members values (2, 1, 'Babu');

insert into faculty\_members values (3, 2, 'Ceniti');

insert into faculty\_members values (4, 1, 'Denis');

insert into faculty\_members values (5, 2, 'Edward');

create or replace function countMembers(dno number) return number is

countNum number;

begin

select count(id) into countNum from faculty\_members where dept\_no = dno;

return countNum;

end;

create or replace function getName(in\_id number) return varchar is

name varchar(30);

begin

if in\_id is NULL then

return 'No Id Provided';

end if;

select name into name from faculty\_members where id = in\_id;

return name;

end;

declare

countNum number;

department\_no number;

id number;

str varchar(30);

begin

id := :facultyID;

department\_no := :department\_no;

countNum := countMembers(department\_no);

str:= getName(id);

dbms\_output.put\_line('Number of faculty members with department number: ' || department\_no || ' = ' || countNum);

dbms\_output.new\_line;

dbms\_output.put\_line('Faculty Name With Id: ' || id || ' = ' || str);

end;

**OUTPUT for id = 1, department\_no = 1**

Number of faculty members with department number: 1 = 3

Faculty Name With Id: 1 = Akash