```
Expt-25
Aim: Write a palson for a function to calculate the total
Date -
       development cost for a given programmer using corsors
PLISQL
Create or replace function gettot (pin software prametitype) return number a
       cursor s is select & from software where puame = Pj
        +ST RONTYPE;
begin
        Si= 0)
       open s;
        loop
            fetch s into t;
             exit when sonot found;
             S:= 1+ t. dcost;
         end loop;
         close s;
        return (1);
 end;
 declare
        res number,
        p software. prome /type: Tulasi;
  begin
         res: = gettot (P);
         dbms-outpert-partiene ( Total development cost is 1/201).
   end;
```

```
Expt 40: 86
Date:
Mim: Write a pulsar a package with one procedure and
one function. procedure displays mathematical product table
for a given number function return product of two number.
prisof:
   create or replace package my - packs
         procedure product-table (a in nomber);
         fonction product (a in number, b in number) seture number.
    end;
    create or peplace package body may - packs as
         procedure product table (a in number) as
             t namber;
              begin
                  1;:1;
                  while ( ? 2 = 10)
                       dons-cutput put line (all > 11 ill'= "lax i).
                   100 P
                       1:=1+1
                    end loop;
           end product table;
           function product (a in number, b in number) setuan
             number as c number;
              lam begin
                      ce a a b;
                     setuen Co
            end product;
```

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declare

x number: = 3;

x number;

begin

my packi, product -table(x);

z: = my - packi, product (x/y);

z: = my - packi, product of ||x||'and||y||'is:'|

about - table(x);

alpha - out put || product of ||x||'and||y||'is:'|

end;
```

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Expt-27
```

Aim: Mite a pl/sol for a package with one procedure and one function, procedure displays Gnathematical product table for a given number. Function returns product of two numbers) salory of given programmer. Functions returns the name of programmer for a given project.

phisox:

create or replace package packs is procedure P. (pin programmer. pNAME%-type); function fi(t in software. TITLE / type) seturn software. PNAME /type;

end;

create or replace package body pack 1 as procedur procedure Pi (pin programmer. pNAIME1. type) as 3 programmer. SALARY & type;

select SALARY into s from programmer where begin PNAME=P;

dbms-output put-line ('salary is "//s);

function fi (t in software. TITLE % type) return

software. PNAME-1,-type as 2 Softmare, PNAME 1. type;

begin

select PHAME into a from software Where TITLEsty

retusn z

end fi;



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declare
   a programmer. PNAME of type: : 1 Anand';
     software . TITLE 1. type := ' Read me'
   & software. PNAME - type;
6egin
     pack 1 . Pi(a);
     8: - packi. fi(6);
     dbms-output. put_line ('pNAME of given project s") | s
endj
```

```
Expt - 28
Aim: write a pt/SQL for a package with one procedure
Date -
      and one function. procedure displays the titles of
      projects done en given language Function seturns the
      name of institute in which the programmer studied.
PLISQL:
  create or replace package packa is
       procedure Pa (x in softmare, DEU-D7/type);
       function fr (y in studies, pNAME % type) get uln
          studies. SPLACE 1. type;
   create or replace package body packs as
        procedure pa (2 in software. DEU-D1. type) as
            cursor 8 is Select * from Software Where DEU-D=x;
             t soll soutype;
             begin
                  open s;
                  100 P
                     fetch & in tot;
                      exit when shnot-Found;
                      abons-output put-line (t. 717LE);
                  end loop;
                   closes;
             function faly in studies. PNAME % type) setuen
                studies. SPLACE 6-type as s. studies. SPLACE 6-type
```

```
begin
        select splace into & from Studies where PNAME = P
         setusn »;
     end fili
endj
declare
   a software DEV-Dhtype: = 'Basic';
    b studies. PNAME Lype := 'Arrand'
    A studies . SPLACE ! type;
 begin
      packs. Pa(a);
      As = packs . facb);
      dbms-output. put-line ('splace is: (18);
 end;
```

```
Regd. No. 19BQ1A05L7 (Autonomous)
Expt - 29
Aim: ulrite a ph/SQL for a programmer to demonstrate
        oser defined exceptions.
PLISQL:
        a programmer. pname lotype: 'Anaud'
    declare
        databisth programmer. doby! type;
         invalid age exception exception
             select doj into dat birth from programmer where
         begin
             ef (sy solate - datberth) /365 > 18 then
                  dbms-output-put-line (all is edigible to vote).
                   RAISE invalid-age-exception;
               end if;
               Exception
                    When invalid-age-exception then
                    dbms-output. put-line ('sorry' | all 'is not
                     eligible to note');
                en
              end;
```

Date
Date
Aim: Write a ph/SQL for a trigger to calculate the total

of a student before insert operation.

PLISQL:

ereate table student 1 (rollno number (3) primary key,

sname Varchar 2 (15), marks number(3)

marks 2 number (3), total number(4));

```
Date -

Aim: write a pt/SQL for a trigger to store the details of updated salary of a programmer into another table.

Pt/SQL:

Create table prog as select prome, salary from programmer, create table update-prog (prame varchara (50), old-salary non later.
```



Expt - 32 Aim: write a plisol for a trigger to know latest and oldest tuples in a table. phisox: Create table student (rollnumber (3) primary key, sname Marchara (15), age nomber (3)); create or replace trigger age before insert on student declare begin update student set age = age+1;

insert into student values (1,'siva',0);

select * from student;