

Note :I am not responsible for any mistakes in this document concerning

1. If you can't understand my hand writing please verify the DBMS record pdf given by college

**WRITE ALL AT RIGHT
SIDE ONLY**

-SETHU

Name of the Experiment: Implementation of Referential

Aim: TO Implement the referential integrity.Procedure:

→ Create a master table (course)

SQL > create table course

2 (cno number(5) primary key,

3 cname varchar2(20));

table created

SQL> desc course;

Name	NULL?	Type
CNO	NOT NULL	NUMBER(5)
CNAME		VARCHAR2(20)

SQL> insert into course values (&cno,'&cname');

Enter value for cno: 1001

Enter value for cname: BSC

Old 1 : insert into course values (&cno,'&cname')

New 1 : insert into course values (1001,' BSC')

1 row created.

SQL>

Enter value for cno: 1002

Enter value for cname: BCOM

Old 1 : insert into course values (&cno,'&cname')

New 1 : insert into course values (1002,' BCOM')

Name of the Experiment :

1 row created.

SQL > /

Enter value for cno : 1003

Enter value for cname : BCA

old 1: insert into course values ('&cno'; '&cname')

new 1: insert into course values (1003, 'BCA')

1 row created.

SQL> /

Enter value for cno : 1004

Enter value for cname : BA

old 1: insert into course values ('&cno'; '&cname')

new 1: insert into course values (1004, 'BA')

1 row created.

SQL > commit;

commit complete.

SQL > select * from course;

CNO	CNAME
1001	BSC
1002	BCOM
1003	BCA
1004	BA

→ creating a child table (student)

SQL > create table student

2 (sno number(5) primary key,

3 sname varchar2(30);

4 dob date,

5 cno number (5) references course(cno);

Table created.

SQL > desc student;

Name	NULL?	Type
SNO	NOT NULL	NUMBER(5)
SNAME		VARCHAR(30)
DOB		DATE
CNO		NUMBER(5)

Name of the Experiment :

SQL> insert into student values (&sno,'&sname','&dob',&cno);

Enter value for sno : 1

Enter value for sname : Bhanu

Enter value for dob : 10-Jan-1995

Enter value for cno : 1001.

old 1: insert into student values (&sno,'&sname','&dob',&cno)

new 1: insert into student values (1,'Bhanu','10-Jan-1995',1001)

1 row created.

SQL> /

Enter value for sno : 2

Enter value for sname : swathi

Enter value for dob : 26-Aug-1998

Enter value for cno : 1002

old 1: insert into student values (&sno,'&sname','&dob',&cno)

new 1: insert into student values (2,'swathi','26-Aug-1998',1002)

1 row created

Name of the Experiment :

SQL> /

Enter value for sno : 3

Enter value for sname : Mahesh

Enter value for dob : 12-Apr-1999

Enter value for cno : 1003

old1: insert into student values (&sno,'&sname','&dob', &cn0)

new1: insert into student values (3,'mahesh','12-Apr-1999',1003)

1 row created.

SQL> /

Enter value for sno : 4

Enter value for sname : Aahil

Enter value for dob : 08-Oct-2000

Enter value for cno : 1004

old1: insert into student values (&sno,'&sname','&dob', &cn0).

new1: insert into student values (4,'Aahil','08-Oct-2000',1004)

1 row created.

SQL> commit;

commit complete.

Name of the Experiment :

Output:

SQL > select * from student;

SNO	SNAME	DOB	CNO.
1	Bhanu	10-JAN-95	1001
2	Swathi	26-AUG-98	1002
3	Mahesh	12-APR-99	1003
4	Aahil	08-OCT-00	1004

Name of the Experiment: Implementation of Aggregate

Aim:

TO implement the aggregate functions.

Procedures:

SQL provide the various Built-in functions like shown below table:

SNO.	Built-In-function	use
1	COUNT	to count the number of rows of the relation.
2.	MAX	to find the maximum value of the attribute (column)
3.	MIN	to find the minimum value of the attribute.
4.	SUM	to find the sum of values of the attributes provided the data type of the attribute is number
5.	AVG	to find the average of n values, ignoring null values.

Now let us try to view the table PERSON and the contents of the table PERSON as shown in fig.4.11.

Name of the Experiment :

The screenshot shows the Oracle SQL*Plus interface with the following command and output:

```
SQL> select * From person;
```

NAME	SKILL
ashok	Fitter
ashok	welder
kumar	piping
rajan	electrician
ravi	turner
san	NULL

6 rows selected.

SQL>

Fig-4.11. PERSON Table

From the figure, it is clear that the number of rows of the table is six.

COUNT COMMAND:

Now let us use the COUNT(*) function to view the no. of rows of the relation PERSON. the SQL command and the corresponding output are shown in Fig 4.12.

The syntax of this function is given by.

select count (attribute name) From table name;

Example:

The screenshot shows the Oracle SQL*Plus interface with the following command and output:

```
SQL> select count(*)  
2 from person;
```

COUNT(*)
6

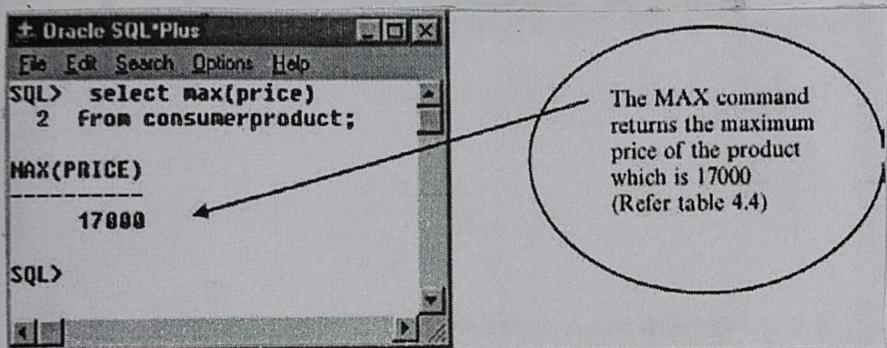
A callout bubble points to the number 6 with the text: "See the number of rows returned is six. This means NULL values are taken into account."

SQL> |

MAX command.

The MAX command stands for maximum value. The MAX command returns the maximum value of an attribute. The syntax of MAX command is:

Select max (attribute name) from table name;



A screenshot of the Oracle SQL*Plus interface. The window title is '+ Oracle SQL*Plus'. The menu bar includes File, Edit, Search, Options, Help. The SQL prompt shows the command: 'SQL> select max(price) 2 from consumerproduct;'. The output area displays the result: 'MAX(PRICE)' followed by a dashed line and '17000'. Below the output is the SQL prompt again: 'SQL>'.

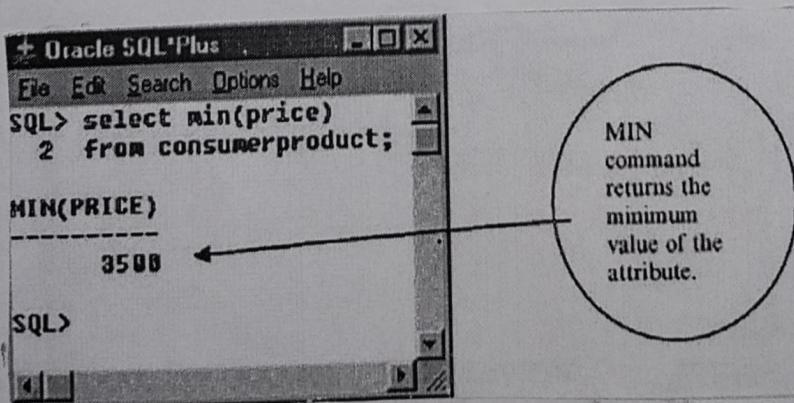
The MAX command returns the maximum price of the product which is 17000 (Refer table 4.4)

MIN Command.

The MIN command is used to return the minimum value of an attribute. The syntax of MIN command is same as MAX command.

Syntax of MIN command is.

Select min (attribute name) from table name;



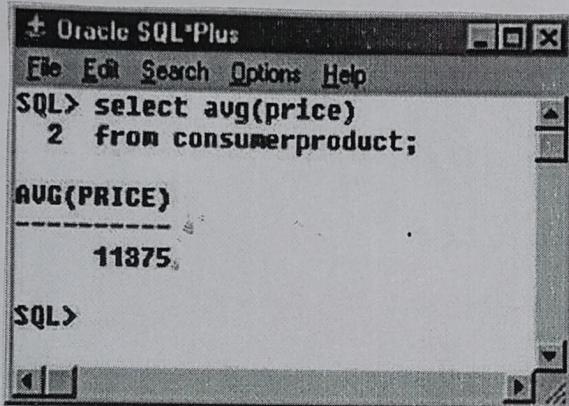
A screenshot of the Oracle SQL*Plus interface. The window title is '+ Oracle SQL*Plus'. The menu bar includes File, Edit, Search, Options, Help. The SQL prompt shows the command: 'SQL> select min(price) 2 from consumerproduct;'. The output area displays the result: 'MIN(PRICE)' followed by a dashed line and '3500'. Below the output is the SQL prompt again: 'SQL>'.

MIN command returns the minimum value of the attribute.

Name of the Experiment :

Avg Command

The AVG command is used to get the average value of an attribute. The syntax of AVG command is:
select AVG (attribute name) from table name;



Oracle SQL*Plus

File Edit Search Options Help

```
SQL> select avg(price)
  2 from consumerproduct;
```

Avg(PRICE)

11875.

SQL>

This screenshot shows a window titled "Oracle SQL*Plus". The menu bar includes "File", "Edit", "Search", "Options", and "Help". The main area displays an SQL query: "SQL> select avg(price) 2 from consumerproduct;". The result of the query is shown in a table format with one row: "AUG(PRICE)" followed by a horizontal line and the value "11875.". Below the result, there is another "SQL>" prompt.

Name of the Experiment: Demonstration on Joins

Aim:

To implement the joins concept.

Procedure:

Syntax for joining table is:

Select table 1. column, table 2. column, ... table n. column,
from table 1, table 2 ... table n

where table 1. column1 = table 2. column2;

→ Equi join:

Consider the following tables.

Table : EMP

```

Oracle SQL*Plus
File Edit Search Options Help
SQL> set linesize 280;
SQL> select * from emp;


| EMPNO | ENAME  | JOB       | HIR  | HIREDATE  | SAL  | COMM | DEPTNO |
|-------|--------|-----------|------|-----------|------|------|--------|
| 7369  | SMITH  | CLERK     | 7982 | 17-DEC-80 | 4000 |      | 20     |
| 7499  | ALLEN  | SALESMAN  | 7698 | 20-FEB-81 | 5100 | 200  | 30     |
| 7521  | WARD   | SALESMAN  | 7698 | 22-FEB-81 | 4750 | 500  | 30     |
| 7566  | JONES  | MANAGER   | 7839 | 02-APR-81 | 6475 |      | 20     |
| 7654  | MARTIN | SALESMAN  | 7698 | 28-SEP-81 | 4750 | 1400 | 30     |
| 7698  | BLAKE  | MANAGER   | 7839 | 01-MAY-81 | 6350 |      | 30     |
| 7782  | CLARK  | MANAGER   | 7839 | 09-JUN-81 | 5950 |      | 10     |
| 7788  | SCOTT  | ANALYST   | 7566 | 19-APR-87 | 6500 |      | 20     |
| 7839  | KING   | PRESIDENT |      | 17-NOV-81 | 8500 |      | 10     |
| 7844  | TURNER | SALESMAN  | 7698 | 08-SEP-81 | 5000 | 0    | 30     |
| 7876  | ADAMS  | CLERK     | 7788 | 23-MAY-87 | 4600 |      | 20     |
| EMPNO | ENAME  | JOB       | HIR  | HIREDATE  | SAL  | COMM | DEPTNO |
| 7900  | JAMES  | CLERK     | 7698 | 03-DEC-81 | 4450 |      | 30     |
| 7902  | FORD   | ANALYST   | 7566 | 03-DEC-81 | 6500 |      | 20     |
| 7934  | MILLER | CLERK     | 7782 | 23-JAN-82 | 4800 |      | 10     |


```

14 rows selected.

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Name of the Experiment :

Table : DEPT

Oracle SQL*Plus window showing the output of the query: `SQL> select * from dept;`. The output displays four rows of data from the DEPT table.

DEPTNO	DNAME	LOC
10	ACCOUNTING	NEW YORK
20	RESEARCH	DALLAS
30	SALES	CHICAGO
40	OPERATIONS	BOSTON

→ To perform the Equi join as follows:

Oracle SQL*Plus window showing the output of the query: `SQL> select empno,ename,emp.deptno,dname
2 from emp,dept
3 where emp.deptno = dept.deptno;`. The output displays 14 rows of data, showing employees from the EMP table joined with their department names from the DEPT table.

EMPNO	ENAME	DEPTNO	DNAME
7782	CLARK	10	ACCOUNTING
7839	KING	10	ACCOUNTING
7934	MILLER	10	ACCOUNTING
7566	JONES	20	RESEARCH
7821	FORD	20	RESEARCH
7876	ADAMS	20	RESEARCH
7369	SMITH	20	RESEARCH
7788	SCOTT	20	RESEARCH
7521	WARD	30	SALES
7844	TURNER	30	SALES
7499	ALLEN	30	SALES
7908	JAMES	30	SALES
7698	BLAKE	30	SALES
7654	MARTIN	30	SALES

14 rows selected.

→ To perform the left outer join as follows:

Name of the Experiment :

```
Oracle SQL*Plus
File Edit Search Options Help
SQL> select empno,ename,emp.deptno,dname,loc
  2 from emp,dept
  3 where emp.deptno(+) = dept.deptno;
EMPNO ENAME      DEPTNO DNAME        LOC
-----  -----
7782 CLARK       10 ACCOUNTING NEW YORK
7839 KING        10 ACCOUNTING NEW YORK
7934 MILLER      10 ACCOUNTING NEW YORK
7566 JONES       20 RESEARCH  DALLAS
7902 FORD         20 RESEARCH  DALLAS
7876 ADAMS       20 RESEARCH  DALLAS
7369 SMITH       20 RESEARCH  DALLAS
7788 SCOTT       20 RESEARCH  DALLAS
7521 WARD         30 SALES    CHICAGO
7844 TURNER      30 SALES    CHICAGO
7499 ALLEN       30 SALES    CHICAGO

EMPNO ENAME      DEPTNO DNAME        LOC
-----  -----
7908 JAMES        30 SALES    CHICAGO
7698 BLAKE        30 SALES    CHICAGO
7654 MARTIN      30 SALES    CHICAGO
                      OPERATIONS  BOSTON

15 rows selected.

SQL>
```

→ To Perform the Right outer join as follows:

```
Oracle SQL*Plus
File Edit Search Options Help
SQL> select empno,ename,emp.deptno,dname,loc
  2 from emp,dept
  3 where emp.deptno = dept.deptno(+);
EMPNO ENAME      DEPTNO DNAME        LOC
-----  -----
7934 MILLER      10 ACCOUNTING NEW YORK
7839 KING        10 ACCOUNTING NEW YORK
7782 CLARK       10 ACCOUNTING NEW YORK
7902 FORD         20 RESEARCH  DALLAS
7876 ADAMS       20 RESEARCH  DALLAS
7788 SCOTT       20 RESEARCH  DALLAS
7566 JONES       20 RESEARCH  DALLAS
7369 SMITH       20 RESEARCH  DALLAS
7908 JAMES        30 SALES    CHICAGO
7844 TURNER      30 SALES    CHICAGO
7698 BLAKE        30 SALES    CHICAGO

EMPNO ENAME      DEPTNO DNAME        LOC
-----  -----
7654 MARTIN      30 SALES    CHICAGO
7521 WARD         30 SALES    CHICAGO
7499 ALLEN       30 SALES    CHICAGO

14 rows selected.

SQL>
```

Name of the Experiment: Demonstration on Control structures

Aim:

To implement the control structures.

Procedure:

→ Conditional control

IF-THEN

Syntax: IF condition THEN

Sequence of statements;

END IF;

HINT: SQL> SET SERVEROUTPUT ON;

```

/* Program to find a person is major or not using if statement */
declare
age number;
begin
age := &age;
if age >= 18 then
dbms_output.put_line ('you are a major');
end if;
end;
/

```

Name of the Experiment :

output:

Enter value for age : 19

old 4 : age = &age;

new 4 : age = 19;

you are a major

PL/SQL procedure successfully completed.

IF - THEN - ELSE

Syntax: IF condition ~~THEN~~ THEN

Sequence of statements 1;

ELSE

Sequence of statement 2;

END IF;

/* Program to find a person is major or minor using
if-else-statement */

declare

age number;

begin

age := &age;

if age >= 18 then

dbms_output.put_line ('You are a major');

Name of the Experiment :

```

else
dbms_output.put_line ('you are a minor');
else end if;
end;
/

```

Output:

Enter value for age : 20

old 4 : age := &age;

new 4 : age := 20 ;

you are a major

PL/SQL procedure successfully completed.

→ Iterative control

WHILE → LOOP .

Syntax: WHILE condition Loop

Sequence of statements ;

END LOOP ;

Name of the Experiment :

/* program to demonstrate the use of while loop */

Declare

a number (2) $a := 10;$

Begin

while $a < 20$ loop

dbms-output-line('Value of a : ' || a);

$a := a + 1;$

END LOOP;

End;

Output:-

Value of a : 10

Value of a : 11

Value of a : 12

Value of a : 13

Value of a : 14

Value of a : 15

Value of a : 16

Value of a : 17

Value of a : 18

Value of a : 19

PL / SQL procedure successfully completed.

Name of the Experiment :

FOR-LOOP.

Syntax:

For counter IN lower limit...higher limit loop.

Sequence of statements;

END LOOP;

/* Program to print the table of a given number using for loop */

~~before~~ DECLARE

n number;

i number;

P number;

BEGIN

n := &n;

for i in 1...10

loop

P := n * i;

dbms-output.put-line (n || 'x' || i || '=' || P);

end loop;

end;

/

Output:

Enter value for n : 10

Old 6 : n := &n;

New 6 : n := 10;

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Name of the Experiment :

$$10 \times 1 = 10$$

$$10 \times 2 = 20$$

$$10 \times 3 = 30$$

$$10 \times 4 = 40$$

$$10 \times 5 = 50$$

$$10 \times 6 = 60$$

$$10 \times 7 = 70$$

$$10 \times 8 = 80$$

$$10 \times 9 = 90$$

$$10 \times 10 = 100$$

P2 / SQL procedure successfully completed.

Name of the Experiment: Demonstration on cursors.

AIM:
To create the Electricity Bill calculation using cursors.

Procedure:

→ creation of Table (ebill):

SQL > create table ebill (name varchar2(10),
 2 address varchar2(20),
 3 city varchar2(20),
 4 unit number(10));

Table created.

SQL > insert into ebill values (
 '& name',
 '& address',
 '& "city",
 '& unit');

Enter value for name : madhu

Old 2: '& name',

New 2: 'madhu',

Enter value for address: 1st on Road

Old 3: '& address',

New 3: '1st on road',

Enter value for city: Tirupati

old 4 : '&city',

new 4 : 'Tirupati',

Enter value for unit : 100

old 5 : '&unit'.

new 5 : '100

1 row created.

SQL>/

Enter value for name : Riyaz

old 2 : '&name',

new 2 : 'Riyaz',

Enter value for address : VRC CENTRE

old 3 : '&address';

new 3 : 'VRC center',

Enter value for city : NELLORE

old 4 : '&city',

new 4 : 'Nellore',

Enter value for unit : 200

old 5 : '&unit')

new 5 : '200')

1 row created

SQL>/

Enter value for name : Lakshmi

old 2 : '&name'

Name of the Experiment :

new 2 : 'Lakshmi',

Enter value for address : Nehru street

old 3 : '& address')

new 3 : 'Nehru street';

Enter value for city : Vizag.

old 4 : '& city',

new 4 : 'Vizag'

Enter value for unit : 300

old 5 : '& unit')

new 5 : '300')

1 row created.

SQL > /

Enter value for name : Rama Rao

old 2 : '& name',

new 2 : 'Rama Rao',

Enter value for address : Banjara Hills

old 3 : '& address',

new 3 : 'Banjara Hills',

Enter value for city : Hyderabad.

old 4 : '& city',

new 4 : '& Hyderabad',

Enter value for unit : 400.

old 5 : '& unit',)

new 5 : '400')

Name of the Experiment :

I now created

SQL> commit;

Commit complete.

SQL> select * from ebill;

Name	Address	city	unit
madhu	ISKON Road	Tirupati	100
Riyaz	VRC centre	Nellore	200
Lakshmi	Nehru street	Vizag	300
Rama Rao	Banjara hills	Hyderabad	400.

SQL> set serveroutput on;

SQL> Declare

cursor c is select * from ebill;

b bill %ROWTYPE;

begin

open c;

dbms_output.put_line ('Name Address city unit amount');

dbms_output.put_line ('<===== = ====== = ====== = >');

loop

fetch c into b;

if (c%notfound) then

exit;

Name of the Experiment :

```

else
if (b.unit <=100) then
dbms-output-put-line (b.name||' '||b.address||' '||b.city||' '|
                      b.unit||' '||b.unit*1);

else if (b.unit >100 and b.unit <=200) then
dbms-output-put-line (b.name||' '||b.address||' '||b.city||' '|
                      b.unit||' '||b.unit*2);

else if (b.unit >200 and b.unit <=300) then
dbms-output-put-line (b.name||' '||b.address||' '||b.city||' '|
                      b.unit||' '||b.unit*3);

elseif (b.unit >300 and b.unit <=400) then
dbms-output-put-line (b.name||' '||b.address||' '||b.city||' '|
                      b.unit||' '||b.unit*4);

elseif (b.unit >400 and b.unit <=500) then
dbms-output-put-line (b.name||' '||b.address||' '||b.city||' '|
                      b.unit||' '||b.unit*5);

end if;

end if;
end loop;
close c;
end;
/

```

Output:-

Name	Address	city	unit	Amount
madhu	iskon Road	Tirupati	100	100
Riya2	VRC center	Nellore	200	400
Lakshmi	nehrv street	Vizag	300	900
Rama Rao	Banjara hills	Hyderabad	4000	1600

PL/SQL procedure successfully completed.

Name of the Experiment: Demonstration on functions in PL/SQL

Aim:

To implement the functions in PL/SQL.

Procedure:

The General syntax of creating the function is:

```
CREATE [OR REPLACE] FUNCTION function-name
[(parameter-name [IN|OUT|IN OUT] type [...])]
```

```
RETURN return datatype
```

```
{IS|AS}
```

```
BEGIN
```

```
<Function-body>
```

```
END
```

```
[function-name];
```

```
/* program to find the sum of two numbers using functions*/
```

```
SQL> create or replace function sum(a number, b number)
```

```
return number is
```

```
r number;
```

```
Begin
```

```
    r:=a+b;
```

```
    return(r);
```

```
End;
```

```
/
```

Function created.

```
/* function Execution */
```

```
declare
```

```
n1 number;
```

```
n2 number;
```

```
s number;
```

```
begin
```

```
n1:=&n1;
```

```
n2:=&n2;
```

```
s:=sump (n1,n2);
```

```
dbms-output:put-line ('the sum of two numbers are ='||s);
```

```
end;
```

```
/
```

Enter value for n1: 25

```
old 6: n1:=&n1;
```

```
new 6: n1:= 25;
```

Enter value for n2: 75

```
old 7: n2:=&n2;
```

```
new 7: n2:= 75;
```

the sum of two numbers are = 100.

PL/SQL procedure successfully completed.

Name of the Experiment: Demonstration on packages in PL/SQL

Aim:

To implement the package in PL/SQL

Procedure:

→ Defining Package specification syntax:

CREATE [OR REPLACE] PACKAGE package-name IS | AS

[variable-declaration ...]

[PROCEDURE [schema..] procedure-name]

[[(parameter {IN,OUT, IN OUT} datatype, [parameter])]]

]

[FUNCTION [schema..] function_name]

[[(parameter {IN,OUT, IN OUT} datatype, [parameter])]]

RETURN return-datatype;

]

END [package-name];

→ Create package Body Syntax:

CREATE [OR REPLACE] PACKAGE BODY package-name

IS | AS

[private-variable-declaration ...]

Begin

[initialization-statement]

[PROCEDURE [schema..] procedure-name]

[[(parameter [parameter])]]

```

IS | AS
variable declarations;
BEGIN
statements(s);
EXCEPTION
WHEN ...
END
[FUNCTION [Schema..] function-name
  [(Parameter [Parameter])]
  RETURN return-type;
IS | AS
variable declarations;
BEGIN
statement(s);
EXCEPTION
WHEN ...
END
[END;
/

```

* program to demonstration of statistical functions using package

SQL > Create or replace package stat-fn as

```

procedure sump(a number, b number, c number);
procedure avgp (a number, b number, c number);
end stat-fn;

```

package created.

SQL > create or replace package body stat-fn is

Name of the Experiment :

```

procedure sum (a number, b number , c number) is
    d number;
begin
    d:=a+b+c;
    dbms-output.put-line ('the sum of given numbers are ='||d);
end sum;

```

```

procedure avg (a number, b number , c number) is
    d number;
    e number;
begin
    d:=a+b+c;
    e:= d/3;
    dbms-output.put-line ('the average of given numbers are ='||e);
end avg;

```

```

end stat_fn;

```

```


```

Package body created.

```

SQL> set serveroutput on;

```

```

SQL>/* calling the procedure's */

```

```

SQL> declare

```

```

    n1 number;

```

```

    n2 number;

```

```

    n3 number;

```

Name of the Experiment :

```

begin
n1 := &n1;
n2 := &n2;
n3 := &n3;
stat_fn := sum_p(n1, n2, n3);
stat_fn := avg_p(n1, n2, n3);
end;
/

```

Enter output:

Enter value for n1: 10

old 6: n1 := &n1;

new 6: n1 := 10;

Enter value for n2: 20

old 7: n2 := &n2;

new 7: n2 := 20;

Enter value for n3: 30

old 8: n3 := &n3;

new 8: n3 := 30;

The sum of given numbers are = 60

The average of given numbers are = 30.

PL/SQL procedure successfully completed.

Name of the Experiment: Demonstration on triggers in PL/SQL

Aim:

To implement the triggers in PL/SQL

Procedure:

The General syntax to create the Triggers as :

CREATE [OR REPLACE] TRIGGER trigger-name
BEFORE | AFTER

[INSERT, UPDATE, DELETE [COLUMN NAME...]]
ON table-name

Referencing [OLD AS OLD | NEW AS NEW]

FOR EACH ROW | FOR EACH STATEMENT [WHEN condition]

DECLARE

[declaration-section]

variable declarations;

constant declarations;

]

Begin

[executable-section]

PL/SQL execute / subprogram body]

Exception

[exception-section]

PL/SQL Exception block]

END;

Name of the Experiment:

SQL > create table student(

rollno number(5),
name varchar(20),
m1 number(3),
m2 number(3),
m3 number(3),
tot number(3),
avg number(3),
result varchar(10));

table created.

SQL > create or replace trigger t1 before insert on student

for each row

begin

:new.tot := :new.m1 + :new.m2 + :new.m3;

:new.avg := :new.tot / 3;

if (:new.m1 >= 35 and :new.m2 >= 35 and :new.m3 >= 35) then

:new.result := 'Pass';

else

:new.result := 'Fail';

end if;

end;

/

Trigger created.

Name of the Experiment:

SQL> insert into student values (101,'Goutham',67,89,99,"","");
 1 row created.

SQL> insert into student values (102,'swaroop',85,79,99,"","");
 1 row created.

SQL> insert into student values (103,'chandini',89,99,99,"","");
 1 row created.

SQL> insert into student values (104,'Dwaraka',23,45,33,"","");
 1 row created.

SQL> commit;

Commit complete.

Output:

SQL> set linesize 200;

SQL> select * from student;

ROLL NO	NAME	M1	M2	M3	TOT	AVG	RESULT
101	Goutham	67	89	99	255	85	Pass
102	Swaroop	85	79	99	263	88	Pass
103	chandini	89	99	99	287	96	Pass
104	Dwaraka	23	45	33	101	34	Fail