

Aim:-

To implement PL/SQL Procedures, functions and loops on Number theory and business scenarios.

Procedure:-

PL/SQL a combination of SQL along with the Procedural features of Programming languages. It was developed by Oracle Corporation in the early 90's to enhance the capabilities of SQL PL/SQL

Simple Program to Print a sentence;

Syntax

DECLARE

< declarations section >

BEGIN

< executable command(s) >

EXCEPTION

< exception handling >

END;

Program:

DECLARE

message varchar2(20) := 'booking closed';

BEGIN

dbms\_output.put\_line(message);

END;

```
DECLARE  
kid number (3) := 100;
```

```
BEGIN
```

```
IF (kid = 10) THEN
```

```
dbms_output.put_line ('value of kid is 10');
```

```
ELSEIF (kid = 20) THEN
```

```
dbms_output.put_line ('value of kid is 20');
```

```
ELSEIF (kid = 30) THEN
```

```
dbms_output.put_line ('value of kid is 30');
```

```
ELSE
```

```
dbms_output.put_line ('none of the values is matching');
```

```
ENDIF;
```

```
dbms_output.put_line ('exact value of kid is : ' || kid);
```

```
END;
```

None of the values is matching

exact value of kid is : 100

PL/SQL Procedure successfully completed.

```
DECLARE
```

```
kid number (1);
```

```
oid number (1);
```

```
Begin
```

```
LL outer-loop
```

```
for oid in 1..3 loop
```

```
dbms_output.put_line ('kid is : ' || kid || ' and oid is : ' || oid);
```

```
END loop inner-loop;
```

```
END loop outer-loop;
```

```
END;
```

kid is : 1 and oid is : 1

kid is : 1 and oid is : 2

kid is : 1 and oid is : 3

kid is : 2 and oid is : 1

kid is : 2 and oid is : 2

kid is : 2 and oid is : 3

kid is : 3 and oid is : 1

kid is : 3 and oid is : 2

kid is : 3 and oid is : 3

PL/SQL Procedure successfully completed

sample Program for only Procedure;

SQL > Create or replace Procedure cs information

2 (c-id in number, c-name in varchar2)

3 is

4 begin

5 dbms\_output.put\_line ('ID: ' || c-id);

6 dbms\_output.put\_line ('Name: ' || c-name);

7 end;

8

sample Program for only function:

SQL > Create or replace function cs information

(c-id in number, c-name in varchar2)

Return varchar2

is

Begin

if c-id > 200 then

Return ('no booking available');

else

Return ('booking open');

end if;

end;

VELTECH	
EX No.	6
PERFORMANCE (S)	5
RESULT AND ANALYSIS (%)	5
WAVE (S)	5
CORD (S)	5
AL (10)	15
WITH DATE	22/9/22

Result;