Assignment 9

→ **Problem Statement :**

Write and execute PL/SQL stored procedure & functions to perform a suitable task on database.

→ **Theory :**

A] **Create a Stored Procedure :**

Delimiter ||

```
Create Procedure P2()
    language SQL
    deterministic
    SQL security definer
    comment a 'procedure
    BEGIN
        Select "Hello World !";
    END //
```

B] **Delete a Stored Procedure :**

DROP procedure if exists P2;

{ Procedures are case-sensitive }

C] In example :

Delimiter $$

CREATE Procedure proc_in (in var1 int)
BEGIN
    Select var1 + 2 AS result;
END $$

D] Out Example :

delimeter //

create procedure proc_out (out var1 varchar (20))

Begin

    Set var 1 = " This is a Test ";

end //

E] Input Example :

Delimiter //

Create Procedure proc_input (Inout var1
                                        int)

```
Begin
    Set var1 = var1 *2 ;
End //

Delimiter ;
```

f] If **Statements** :

```
Delimiter //
                a
Crete Procedure proc_if ( In param int)
      ^
Begin
        Declare var1    int ;
        Set    var1 =   param + 1 ;
        If var1 = 0  then

              Select var1 ;

        End if

        else
            Select param = 0 ;
        End if
End //
```

4] while Statement :

```sql
Delimiter //

Create Procedure pnoc_while (IN param int)

Begin
    Declare var1, var2   int
    Set var1 = 0;

    while (var1 < param) Do
        Insert into table1 values (param);
        Select count(*) into var2 from
                                    table_1 ;
        Set var1 = var1 + 1 ;

    End while ;

End //

Delimiter ;
```

→ <u>Conclusion</u> :

Topics Covered :

1. Concept of Procedures .
2. Different types of parameters .
3. Looping & Conditional Statements .