

EXP NO: 09	Introduction to PL/SQL codes
DATA: 18/04/2022	

Aim: Implement the given PL/SQL codes in SQL.

Description about the problem:

- Create a table and add items in the table
- Get the data for specific conditions
- Implement Maximum code
- Compare the values of variables and print the maximum variable

Queries:

- create table emp_grade(empno number, grade char(1))
- Declare Emp_rec emp%rowtype;
Cursor c is select * into emp_rec from emp;
Begin
Open c;
If c%ISOPEN then
Loop
Fetch c into emp_rec;
If c%notfound then Exit; Endif;
If emp_rec.sal <= 1400 then
Insert into emp_grade values(emp_rec.empno,'C');
Elsif emp_rec.sal between 1401 and 2000 then
Insert into emp_garde values(em_rec.empno,'B');
Else
Insert into emp_garde values(em_rec.empno,'A');
Endif
End loop;
Else
Open c;
Endif;
End;
- Declare
a number;
b number;
c number;
Begin
dbms_output.put_line('Enter a:');

```
a:=7;  
dbms_output.put_line('Enter b:');  
b:=10;  
dbms_output.put_line('Enter c:');  
c:=15;  
if (a>b) and (a>c) then  
    dbms_output.put_line('A is Maximum');  
elsif (b>a) and (b>c) then  
    dbms_output.put_line('B is Maximum');  
else  
    dbms_output.put_line('C is Maximum');  
end if;  
End;
```

Result:

Successfully implemented PL/SQL for given codes.

My Scripts \ **Script**

Actions ▾



Edit Attributes



Run Script

Name	Session 09
Description	Execute the below-given programs s1 and s2 and submit the results.
Area	-
Visibility	Publicly Shareable - available via unlisted URL
Contributor	RA1911027010007
Share Link	https://livesql.oracle.com/apex/livesql/s/neyblumul8vhtlzeaoqrannt
Tags	-
Script Results	<div>We cannot determine the last run date for this script.</div> What's This?
Last Updated	Friday April 29, 2022 (Created 4 minutes ago)
Metrics	6 Statements, 2,286 bytes

Statement 1



Edit

```
create table emp_grade(empno number, grade char(1))
```

Table created.

Statement 2



Edit

```
Declare Emp_rec emp%rowtype;
Cursor c is select * into emp_rec from emp;
Begin
Open c;
If c%ISOPEN then
Loop
Fetch c into emp_rec;
If c%notfound then Exit; Endif;
If emp_rec.sal <= 1400 then
Insert into emp_grade values(emp_rec.empno, 'C');
Elsif emp_rec.sal between 1401 and 2000 then
Insert into emp_garde values(em_rec.empno, 'B');
Else
Insert into emp_garde values(em_rec.empno, 'A');
Endif
End loop;
Else
Open c;
Endif;
```



ORA-06550: line 16, column 1: PLS-00103: Encountered the symbol "END" when expecting one of the following: := . (@ % ;

Statement 3



Edit

```
Declare
  a number;
  b number;
  c number;
Begin
  dbms_output.put_line('Enter a:');
  a:=7;
  dbms_output.put_line('Enter b:');
  b:=10;
  dbms_output.put_line('Enter c:');
  c:=15;
  if (a>b) and (a>c) then
    dbms_output.put_line('A is Maximum');
  elsif (b>a) and (b>c) then
    dbms_output.put_line('B is Maximum');
  else
    dbms_output.put_line('C is Maximum');
  end if;
End;
```

Statement processed.

Enter a:

Enter b:

Enter c:

C is Maximum

Statement 4



Edit

```
Declare
  a number;
  b number;
  c number;
Begin
  dbms_output.put_line('Enter a:');
  a:=16;
  dbms_output.put_line('Enter b:');
  b:=10;
  dbms_output.put_line('Enter c:');
  c:=15;
  if (a>b) and (a>c) then
    dbms_output.put_line('A is Maximum');
  elsif (b>a) and (b>c) then
    dbms_output.put_line('B is Maximum');
  else
    dbms_output.put_line('C is Maximum');
  end if;
End;
```

Statement processed.



Enter c:

A is Maximum

Statement 5



Edit

```
Declare Emp_rec emp%rowtype;
Cursor c is select * into emp_rec from emp;
Begin
Open c;
If c%ISOPEN then
Loop
Fetch c into emp_rec;
If c%notfound then Exit; Endif;
If emp_rec.sal <= 1400 then
Insert into emp_grade values(emp_rec.empno,'C');
Elsif emp_rec.sal between 1401 and 2000 then
Insert into emp_garde values(em_rec.empno,'B');
Else
Insert into emp_garde values(em_rec.empno,'A');
Endif
End;
```

ORA-06550: line 10, column 44: PL/SQL: ORA-01756: quoted string not properly terminated

Statement 6



Edit

```
Declare Emp_rec emp%rowtype;
Cursor c is select * into emp_rec from emp;
Begin
Open c;
If c%ISOPEN then
Loop
Fetch c into emp_rec;
If c%notfound then Exit; Endif;
If emp_rec.sal <= 1400 then
Insert into emp_grade values(emp_rec.empno,'C');
Elsif emp_rec.sal between 1401 and 2000 then
Insert into emp_garde values(em_rec.empno,'B');
Else
Insert into emp_garde values(em_rec.empno,'A');
Endif
End;
```

ORA-06550: line 16, column 1: PLS-00103: Encountered the symbol "END" when expecting one of the following: := . (@ % ;



Script Update Details