

Ex No:7

SIMPLEPL/SQLPROGRAMS with CONTROL STRUCTURE

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Aim:

To work with simple SQL programs with control structures for employee database management.

PROCEDURE

STEP 1: Start

STEP 2: Initialize the necessary variables.

STEP 3: invoke with the row type condition to get the salary.

STEP 4: Execute the statements.

STEP 5: Stop.

CODING:

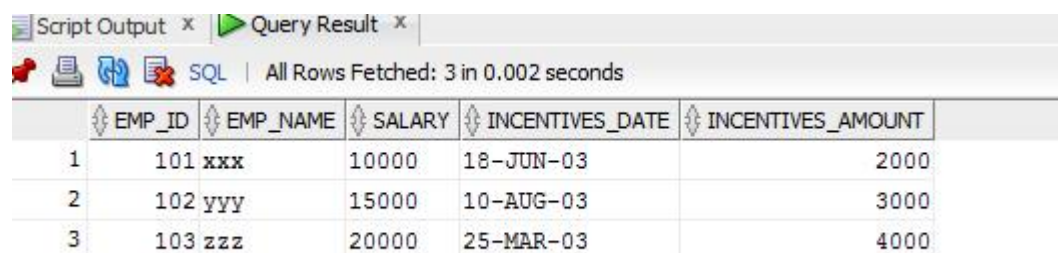
Create a table:

```
create table emplpoyee21cse104(  
  emp_id number,  
  emp_name varchar(30),  
  salary varchar(15),  
  incentives_date date,  
  incentives_amount number,  
  constraint employee104 primary key(emp_id))
```

Insert a value:

```
insert into emplpoyee21cse104 values('101','xxx','10000','18-JUNE-2003','2000')  
insert into emplpoyee21cse104 values('102','yyy','15000','10-AUG-2003','3000')  
insert into emplpoyee21cse104 values('103','zzz','20000','25-march-2003','4000')
```

```
Select*from emplpoyee21cse104
```



The screenshot shows the SQL Developer interface with a 'Query Result' window. It displays the results of the query 'Select*from emplpoyee21cse104'. The window shows 3 rows fetched in 0.002 seconds. The data is as follows:

	EMP_ID	EMP_NAME	SALARY	INCENTIVES_DATE	INCENTIVES_AMOUNT
1	101	xxx	10000	18-JUN-03	2000
2	102	yyy	15000	10-AUG-03	3000
3	103	zzz	20000	25-MAR-03	4000

FOR MY EMPLOYEE PROGRAM:

Check for total salary :

```
sql>set serveroutput on;
DECLARE
salary number;
total_salary NUMBER;
incentives_amount number;
empid number;
x empoyee21cse104%ROWTYPE;
BEGIN
DBMS_OUTPUT.PUT_LINE('Enter the EMP_ID');
empid:=&empid;
select *into x from empoyee21cse104 where emp_id=empid;
salary:=x.salary;
incentives_amount:=x.incentives_amount;
total_salary= salary+incentives_amount;
DBMS_OUTPUT.PUT_LINE('employee total salary is' || total_salary);
end;
```

OUTPUT:

```
anonymous block completed
Enter the EMP_ID
employee total salary is18000
```

RESULT:

Thus the PL/SQL block for different controls are verified and executed for the employee database.