Name: VENNELA G

Register No: 20BDS0146

LabCourse: Principles of DBMS

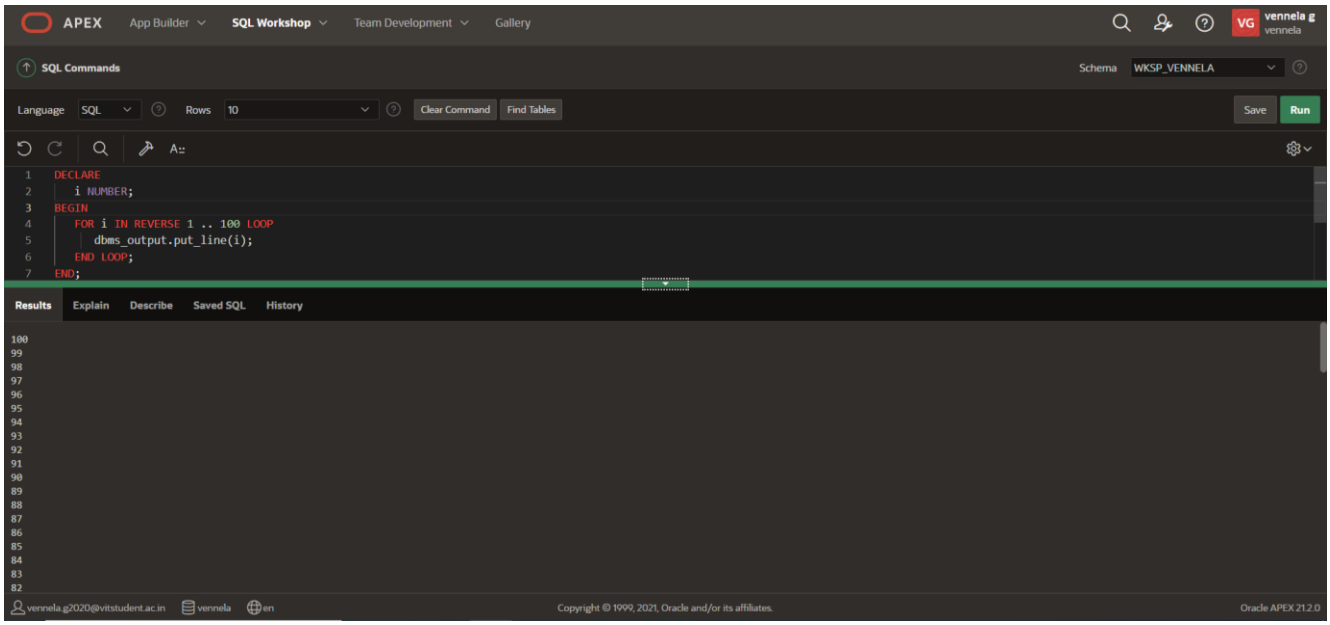
LabSlot: L29+30

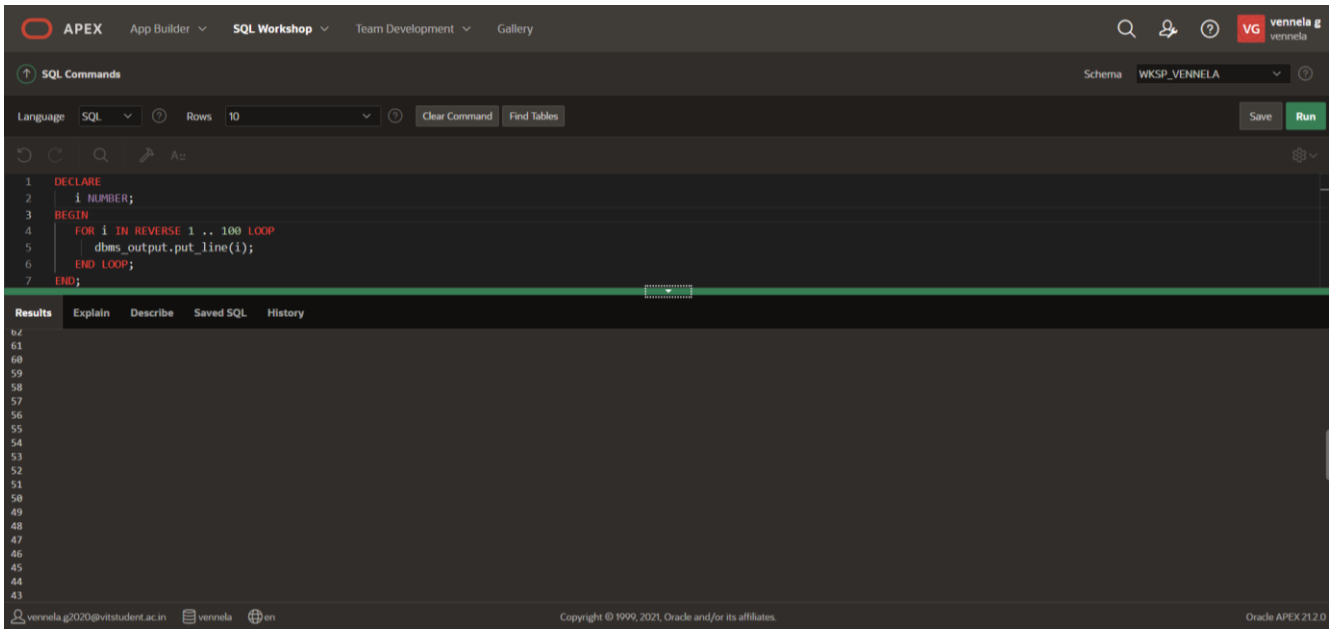
Assignment : 6

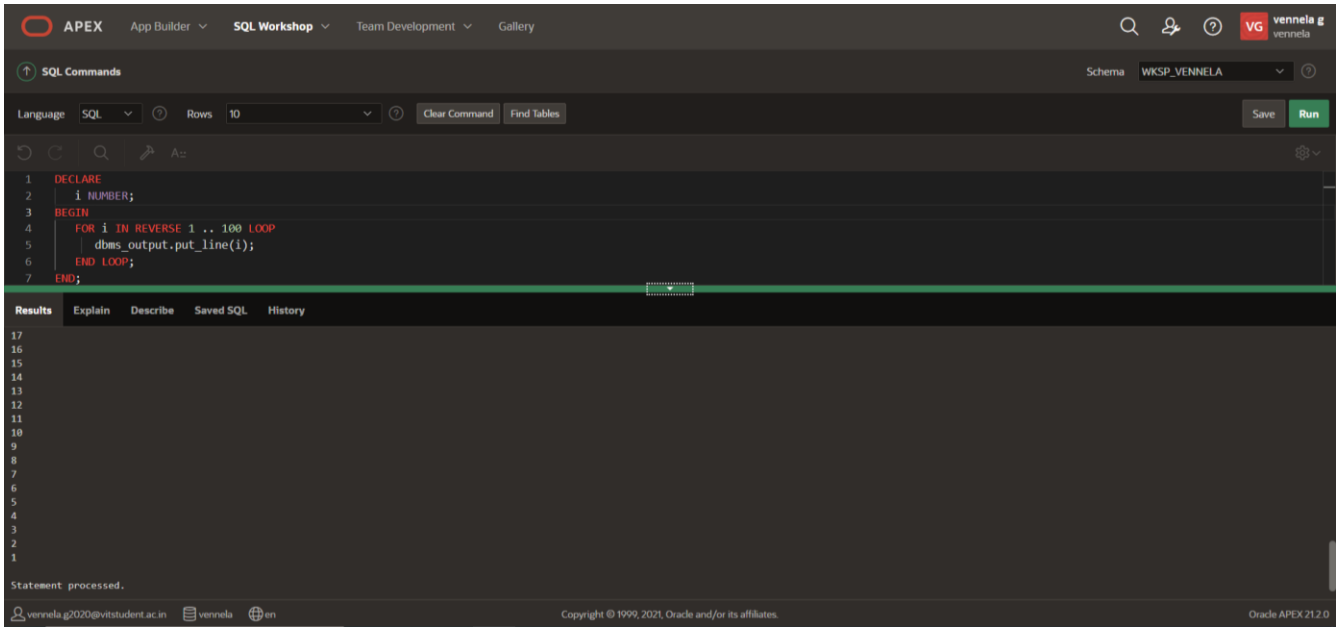
Ex:9

Aim: To understand the concepts of Iterations and Subprogram (Procedures and Functions)

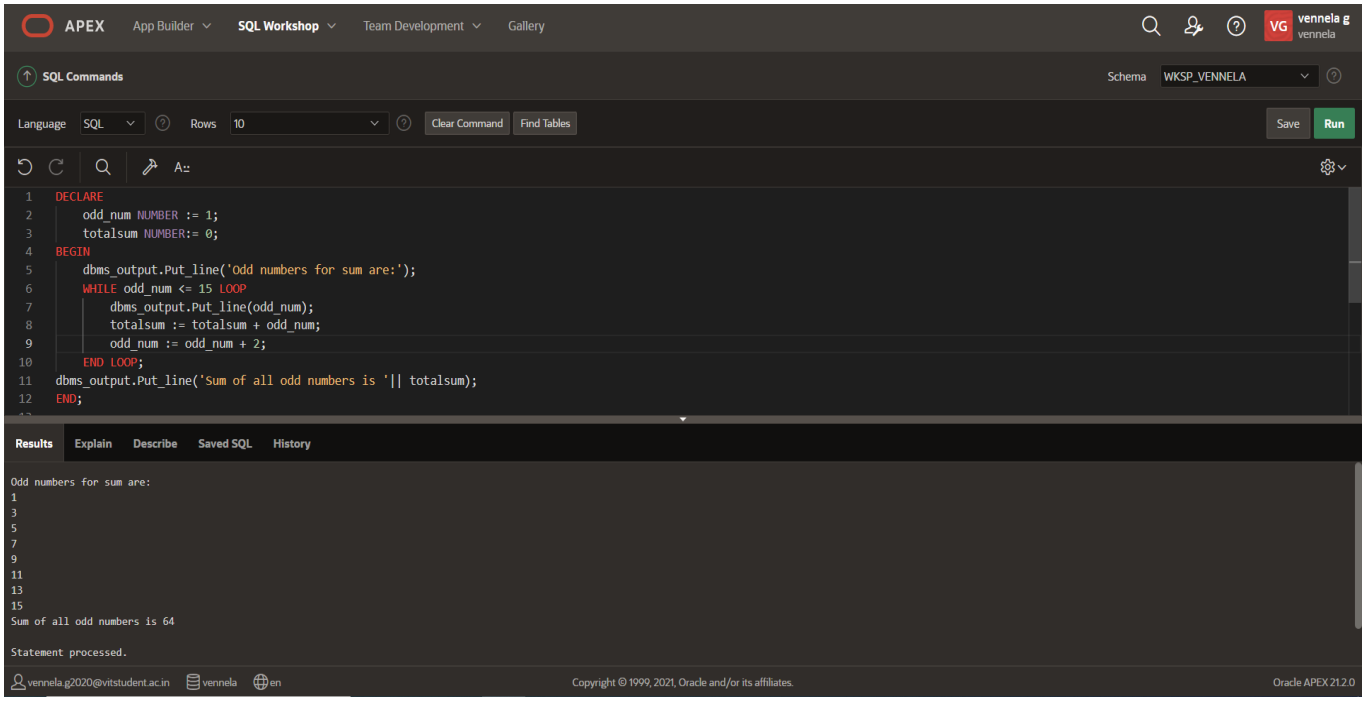
1. Write a PL/SQL code to print the numbers in reverse order from 100 to 1.



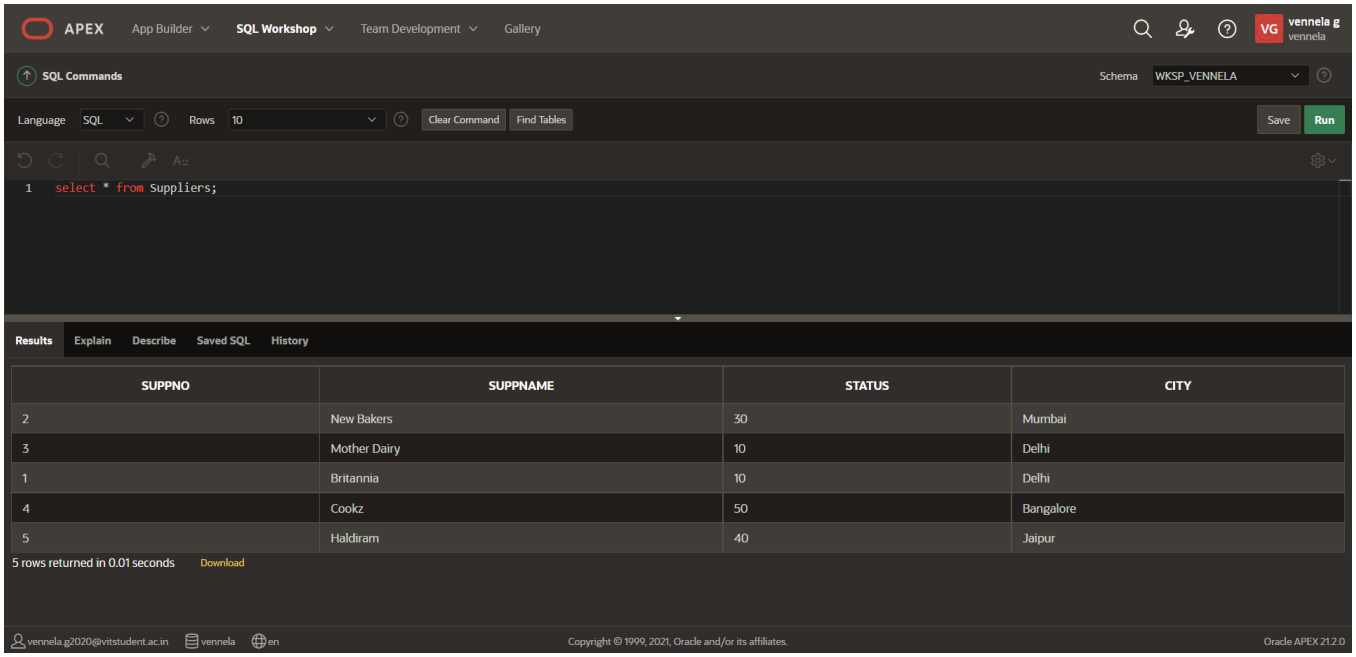


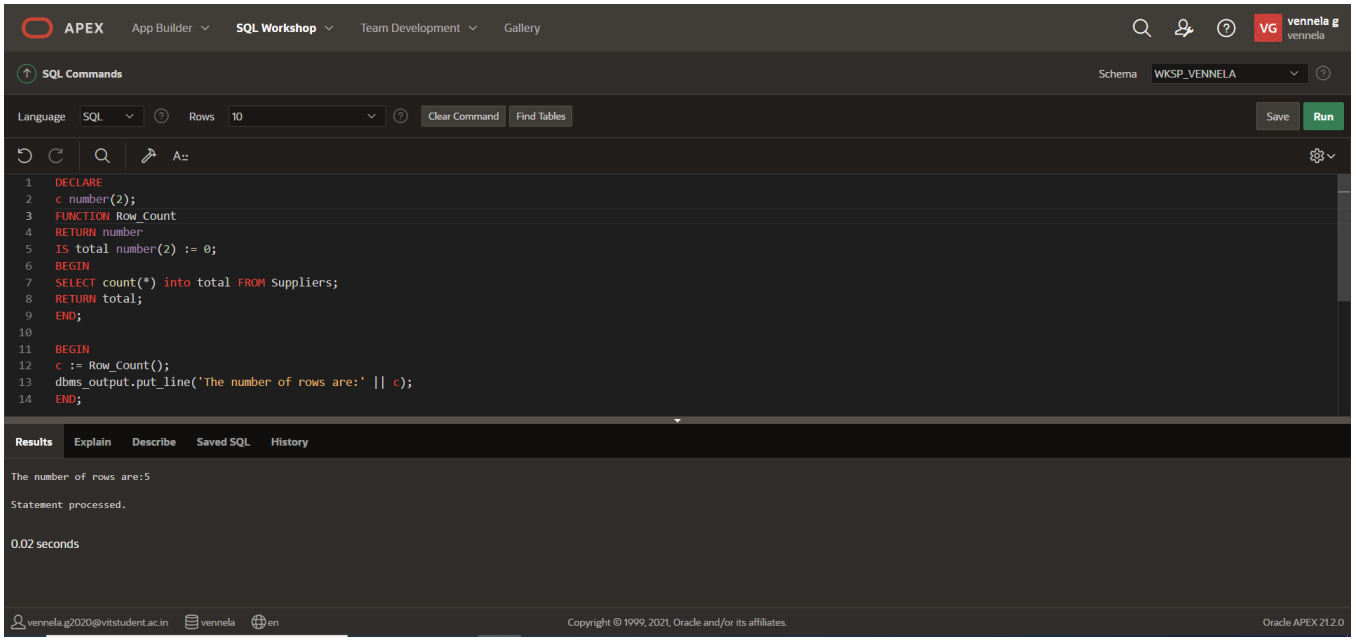


2. Create a pl/sql block to find the sum of series 1+3+5+……+n .

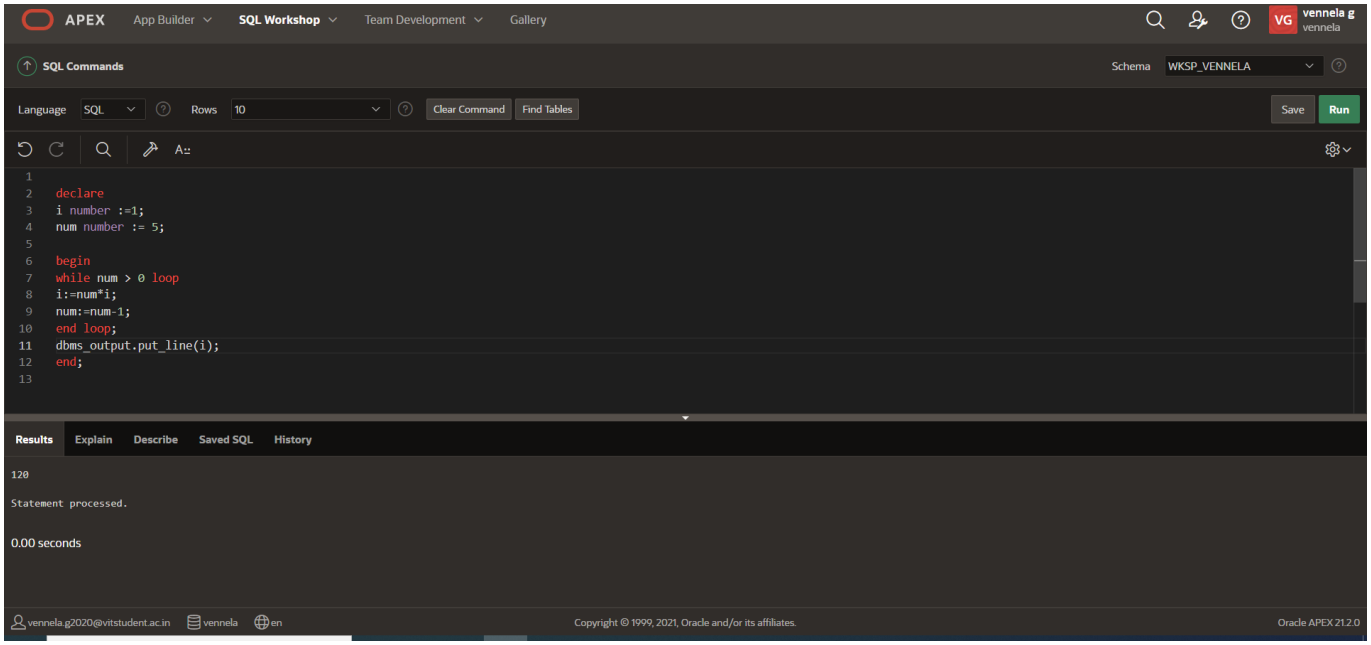


3. Write a function to give the number of rows in the table.

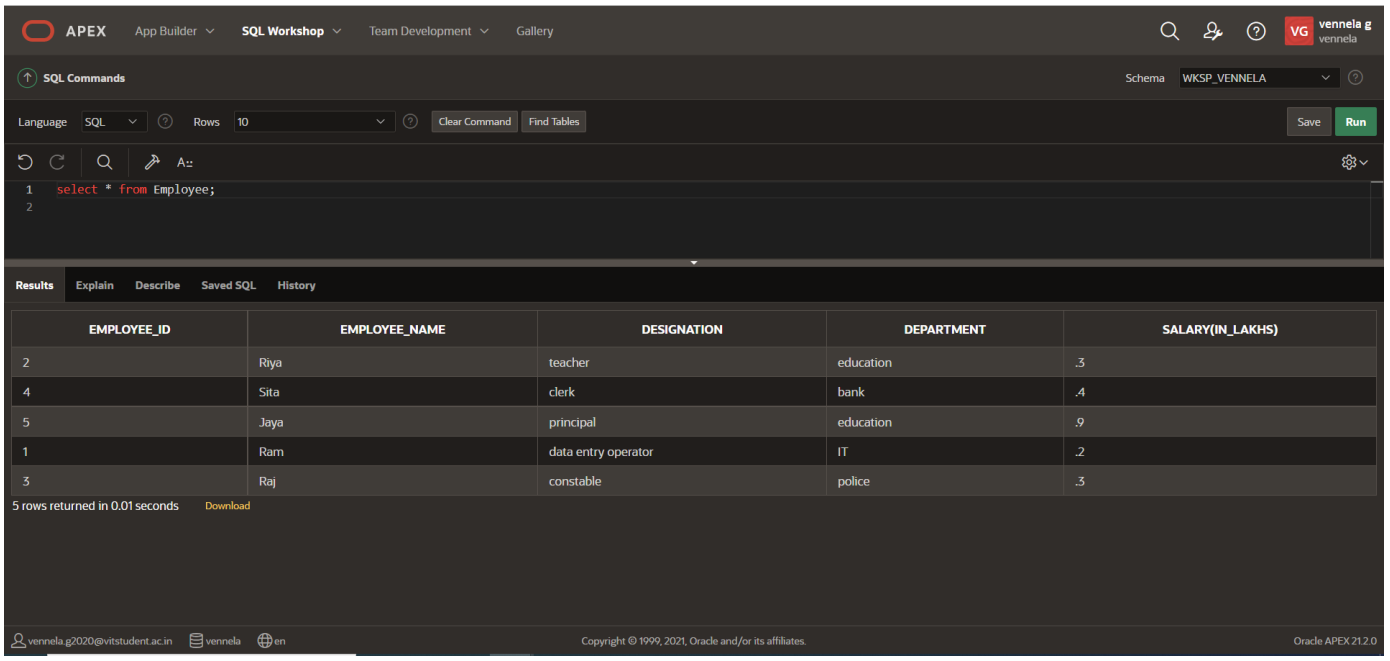


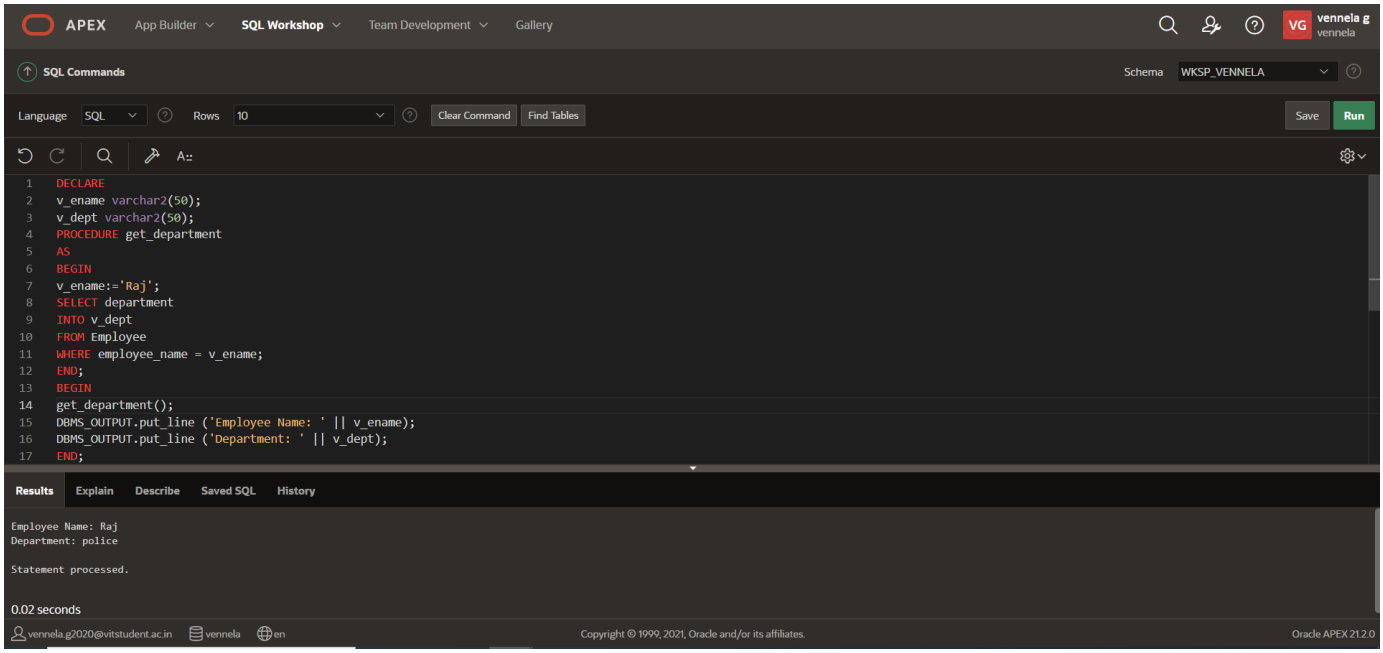


4. Write a PL/SQL to find the factorial of the given number using function.



5. Write a procedure to accept an employee name and display his Department names.




APEX
App Builder
SQL Workshop
Team Development
Gallery
VG
vennela g
vennela
SQL Commands
Schema
WKSP_VENNELA
Language
SQL
Rows
10
Clear Command
Find Tables
Save
Run
DECLARE
v_ename varchar2(50);
v_dept varchar2(50);
PROCEDURE get_department
AS
BEGIN
v_ename:='Raj';
SELECT department
INTO v_dept
FROM Employee
WHERE employee_name = v_ename;
END;
BEGIN
get_department();
DBMS_OUTPUT.put_line ('Employee Name: ' || v_ename);
DBMS_OUTPUT.put_line ('Department: ' || v_dept);
END;
Results
Explain
Describe
Saved SQL
History
Employee Name: Raj
Department: police
Statement processed.
0.02 seconds
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vennela
en
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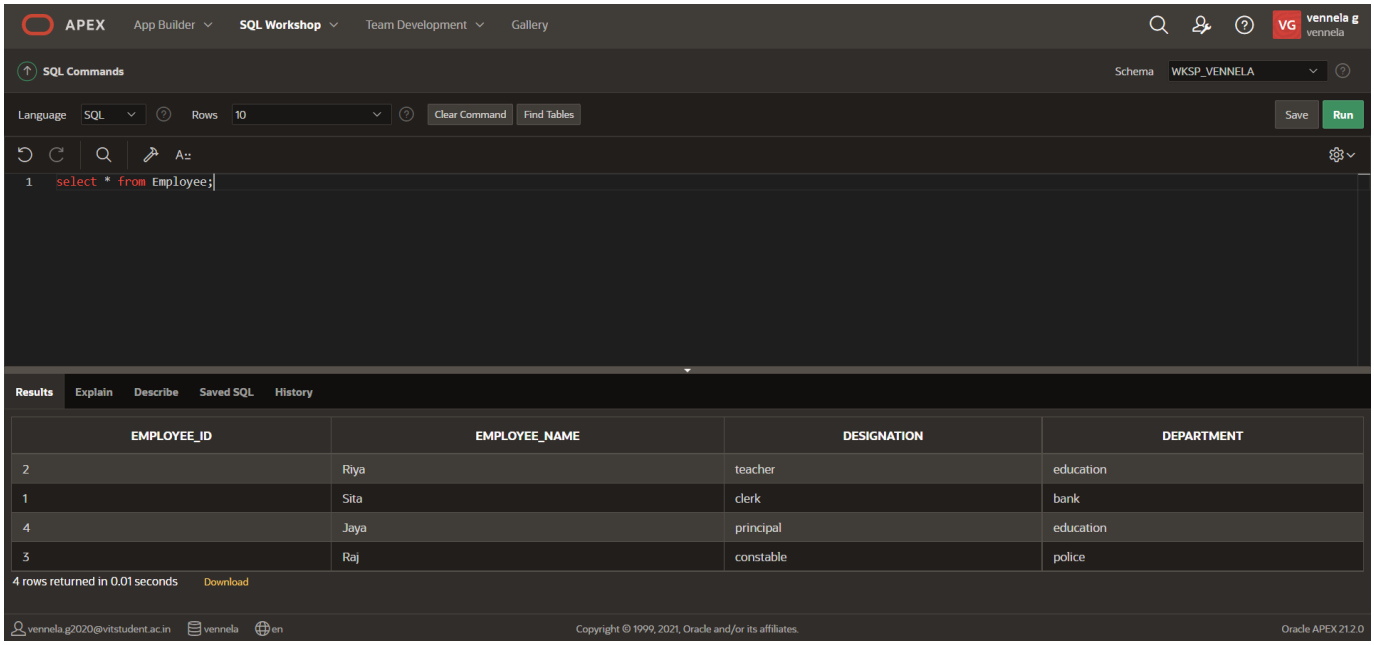
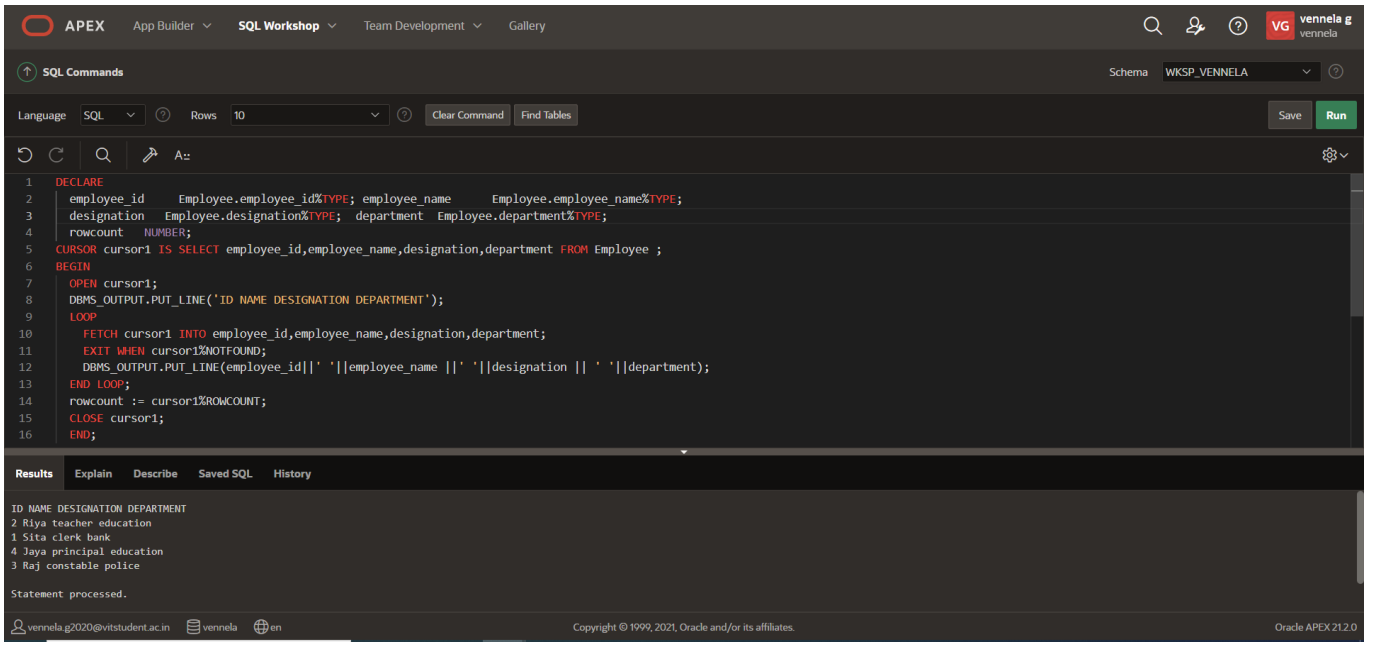
Ex:10

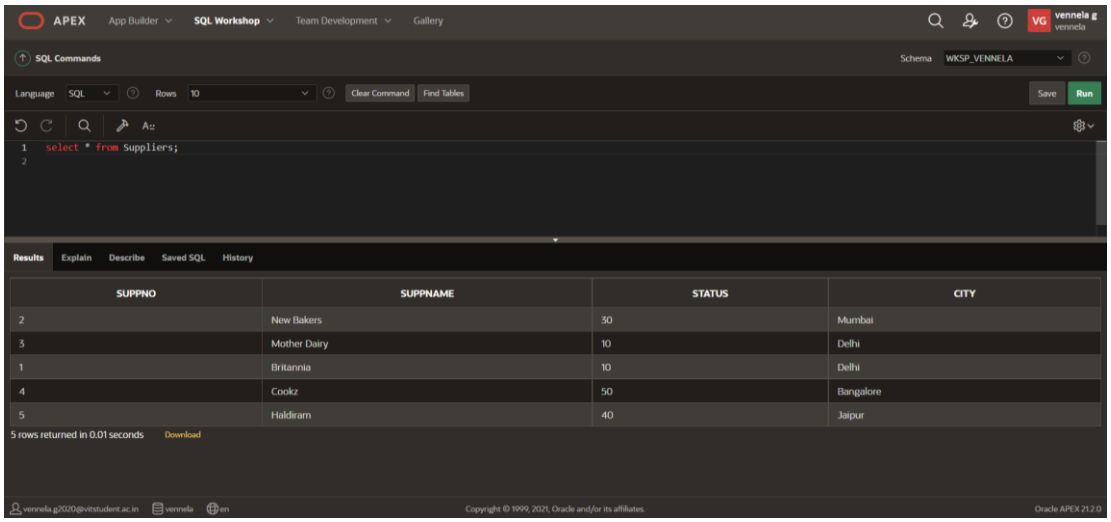
Aim: To understand implicit and explicit cursor in PL/SQL

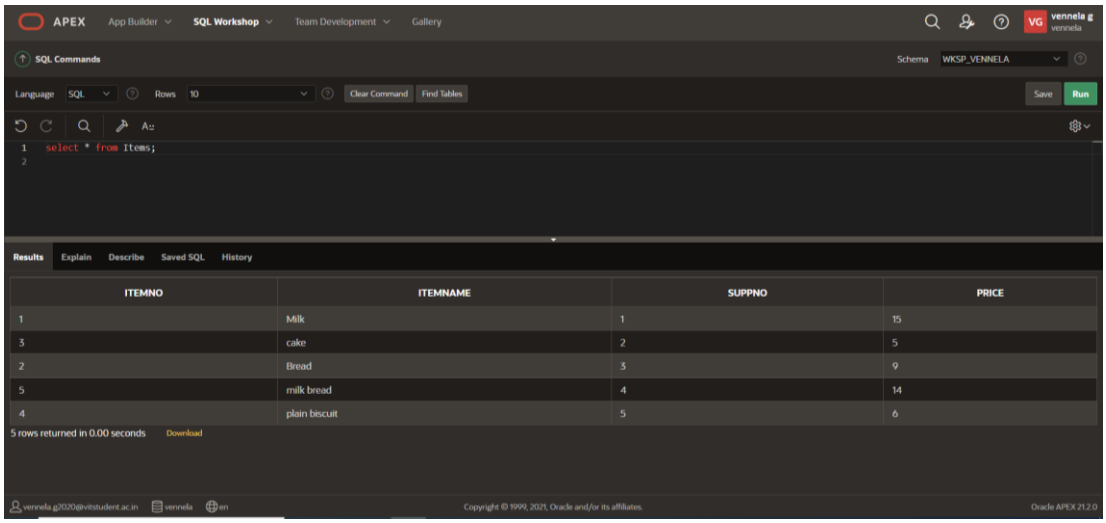
1. Retrieve all the rows from the table using cursors.

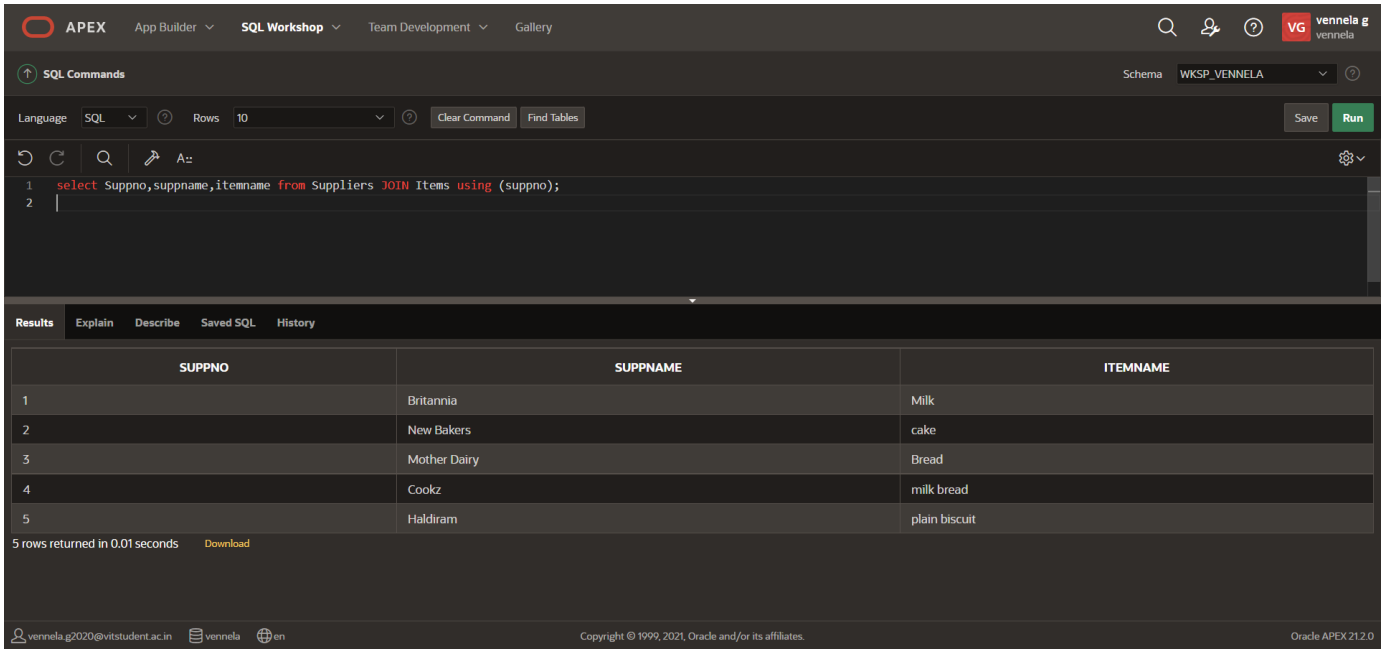


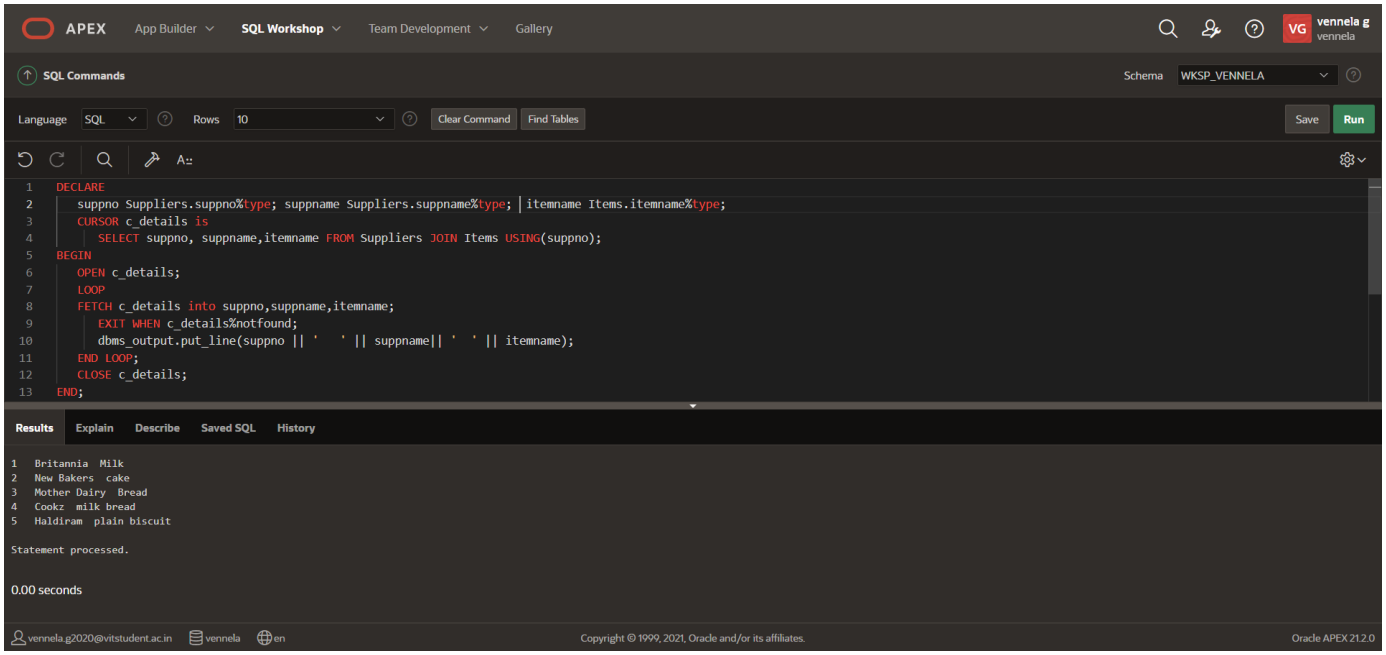


2.Write a cursor program to display few records using joins








APEX
App Builder
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Gallery
VG
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SQL Commands
Schema
WKSP_VENNELA
Language
SQL
Rows
10
Clear Command
Find Tables
Save
Run
DECLARE
suppno Suppliers.suppno%type; suppname Suppliers.suppname%type; itemname Items.itemname%type;
CURSOR c_details is
SELECT suppno, suppname,itemname FROM Suppliers JOIN Items USING(suppno);
BEGIN
OPEN c_details;
LOOP
FETCH c_details into suppno,suppname,itemname;
EXIT WHEN c_details%notfound;
dbms_output.put_line(suppno || ' ' || suppname|| ' ' || itemname);
END LOOP;
CLOSE c_details;
END;
Results
Explain
Describe
Saved SQL
History
1 Britannia Milk
2 New Bakers cake
3 Mother Dairy Bread
4 Cookz milk bread
5 Haldiram plain biscuit
Statement processed.
0.00 seconds
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