Database Programming

Practical Exercise #5

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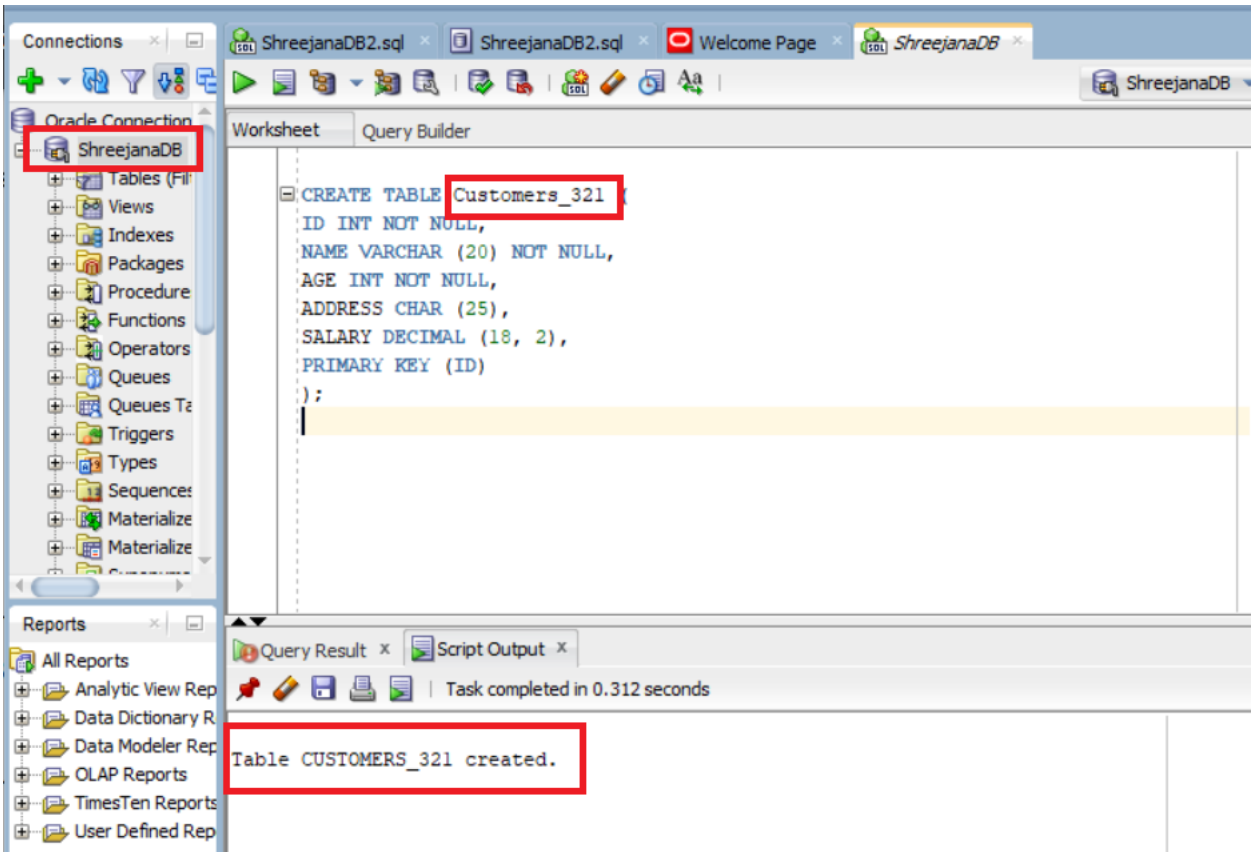
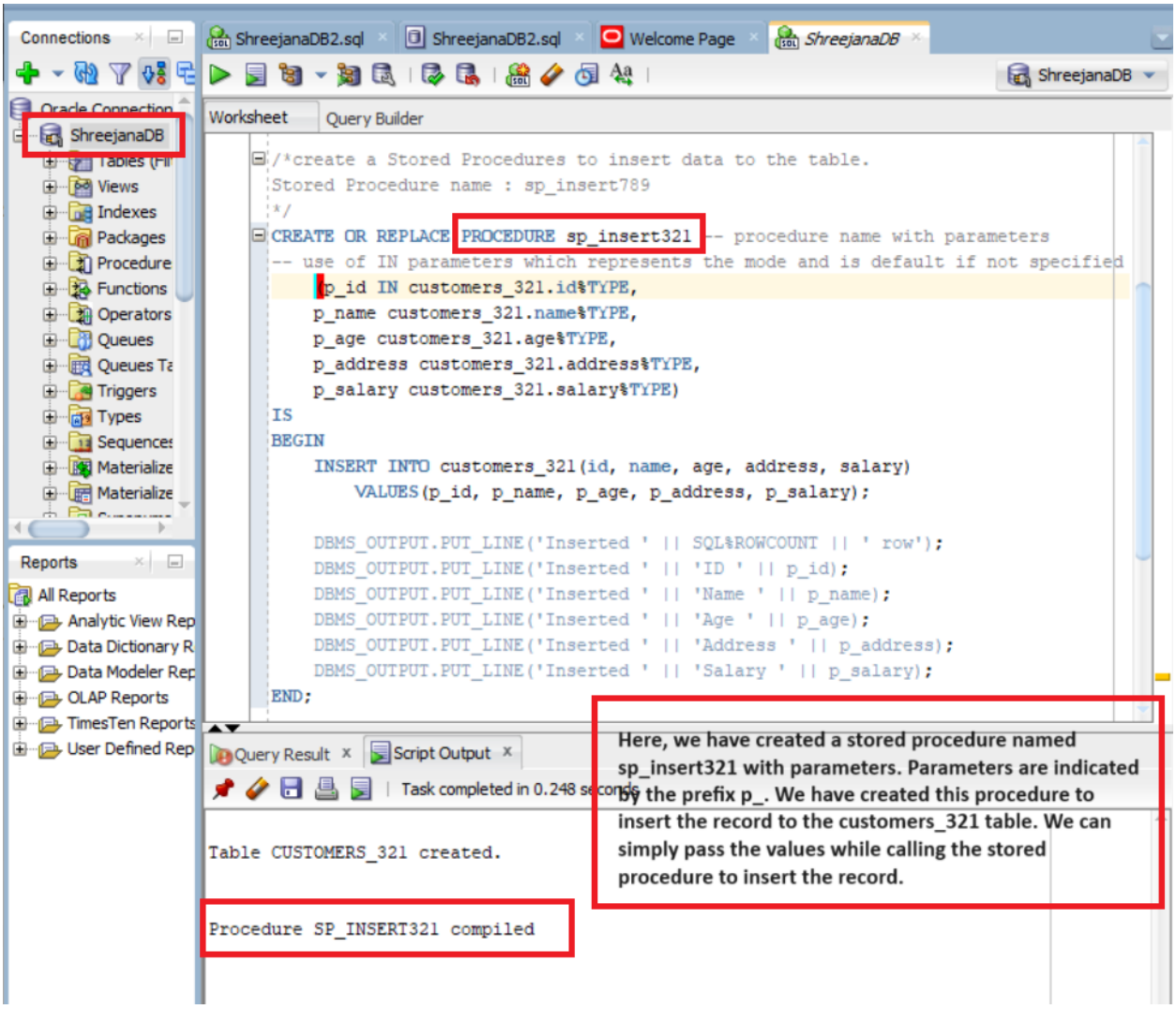
Question 1

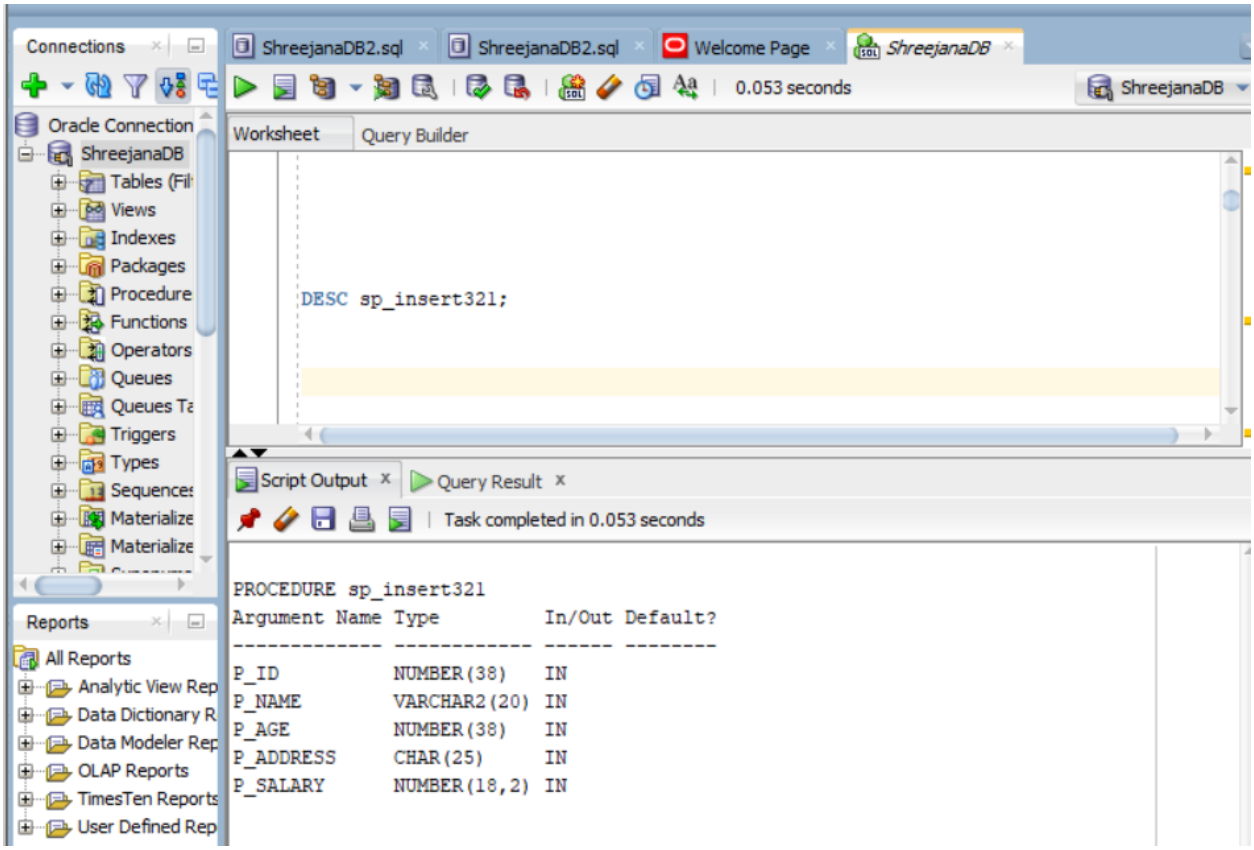
Table Creation



Question 2

Stored Procedure




Connections
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ShreejanaDB2.sql
Welcome Page
ShreejanaDB
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Oracle Connection
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Triggers
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Sequences
Materialize
Materialize
Worksheet
Query Builder
DESC sp_insert321;
Script Output
Query Result
Task completed in 0.053 seconds
PROCEDURE sp_insert321
Argument Name Type In/Out Default?
P_ID NUMBER(38) IN
P_NAME VARCHAR2(20) IN
P_AGE NUMBER(38) IN
P_ADDRESS CHAR(25) IN
P_SALARY NUMBER(18,2) IN
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Data Modeler Rep
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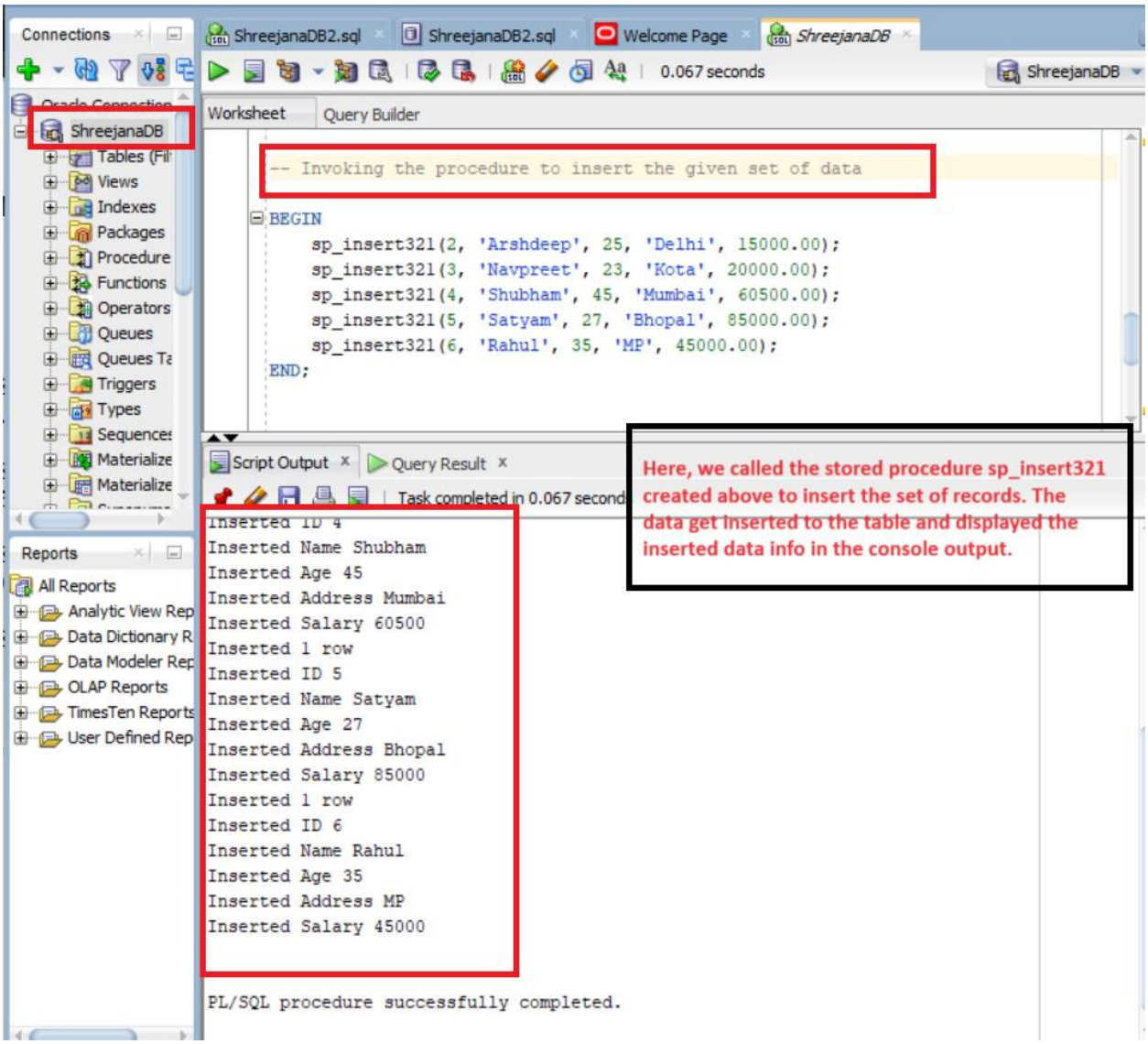
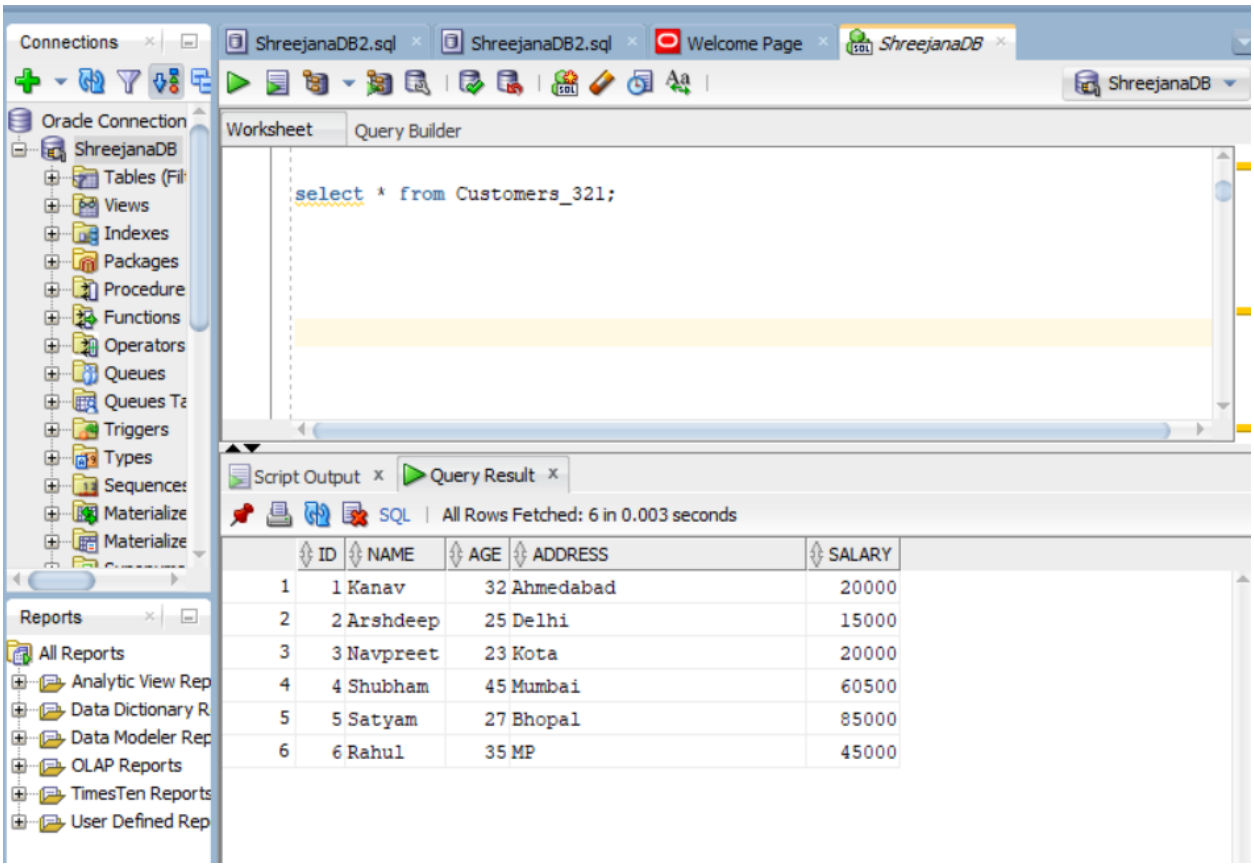
TimesTen Reports
User Defined Rep

Inserting data invoking stored procedure

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Welcome Page
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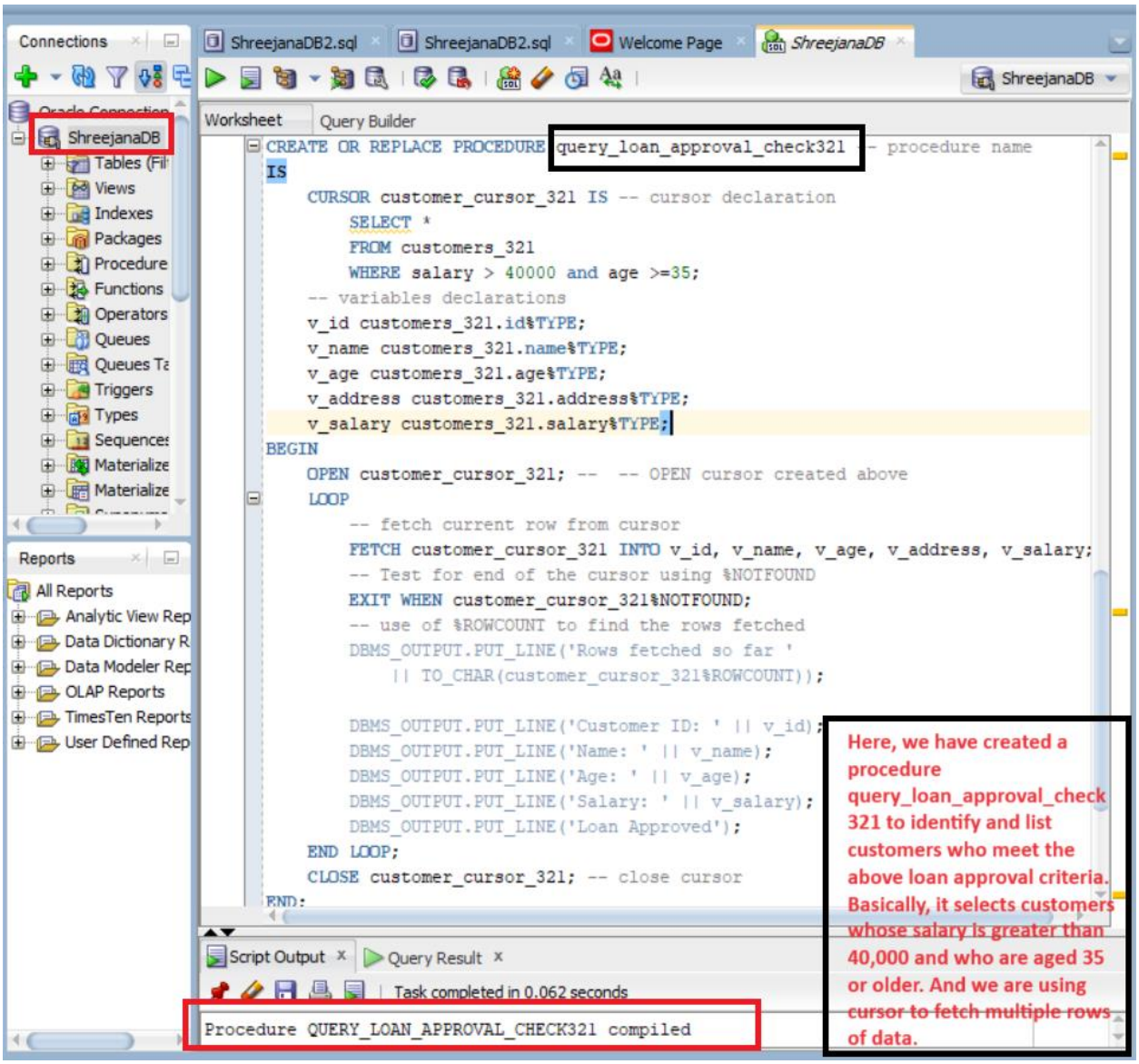
ShreejanaDB
Worksheet
Query Builder
select * from Customers_321;
Script Output
Query Result
SQL
All Rows Fetched: 6 in 0.003 seconds
ID NAME AGE ADDRESS SALARY
1 1 Kanav 32 Ahmedabad 20000
2 2 Arshdeep 25 Delhi 15000
3 3 Navpreet 23 Kota 20000
4 4 Shubham 45 Mumbai 60500
5 5 Satyam 27 Bhopal 85000
6 6 Rahul 35 MP 45000

Question 3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Worksheet
Query Builder
CREATE OR REPLACE PROCEDURE query_loan_approval_check321 -- procedure name
IS
CURSOR customer_cursor_321 IS -- cursor declaration
SELECT *
FROM customers_321
WHERE salary > 40000 and age >=35;
-- variables declarations
v_id customers_321.id%TYPE;
v_name customers_321.name%TYPE;
v_age customers_321.age%TYPE;
v_address customers_321.address%TYPE;
v_salary customers_321.salary%TYPE;
BEGIN
OPEN customer_cursor_321; -- -- OPEN cursor created above
LOOP
-- fetch current row from cursor
FETCH customer_cursor_321 INTO v_id, v_name, v_age, v_address, v_salary;
-- Test for end of the cursor using %NOTFOUND
EXIT WHEN customer_cursor_321%NOTFOUND;
-- use of %ROWCOUNT to find the rows fetched
DBMS_OUTPUT.PUT_LINE('Rows fetched so far '
|| TO_CHAR(customer_cursor_321%ROWCOUNT));
DBMS_OUTPUT.PUT_LINE('Customer ID: ' || v_id);
DBMS_OUTPUT.PUT_LINE('Name: ' || v_name);
DBMS_OUTPUT.PUT_LINE('Age: ' || v_age);
DBMS_OUTPUT.PUT_LINE('Salary: ' || v_salary);
DBMS_OUTPUT.PUT_LINE('Loan Approved');
END LOOP;
CLOSE customer_cursor_321; -- close cursor
END;
Script Output
Query Result
Task completed in 0.062 seconds
Procedure QUERY_LOAN_APPROVAL_CHECK321 compiled
Here, we have created a procedure query_loan_approval_check 321 to identify and list customers who meet the above loan approval criteria. Basically, it selects customers whose salary is greater than 40,000 and who are aged 35 or older. And we are using cursor to fetch multiple rows of data.

execution of loan approval check procedure invoking it