Term: 2024S FSDM

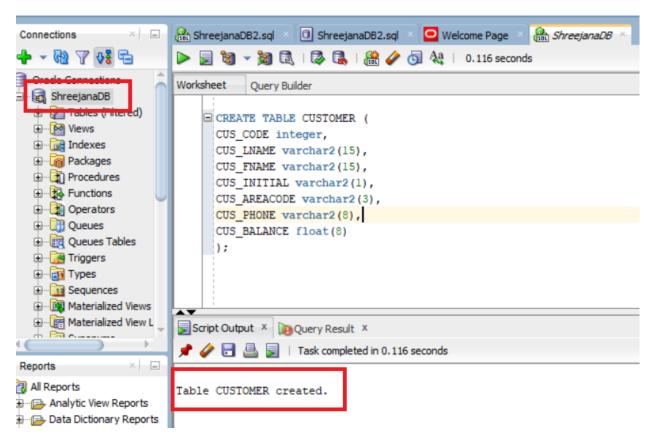
Course: Database Programming

Practical Exercise #2

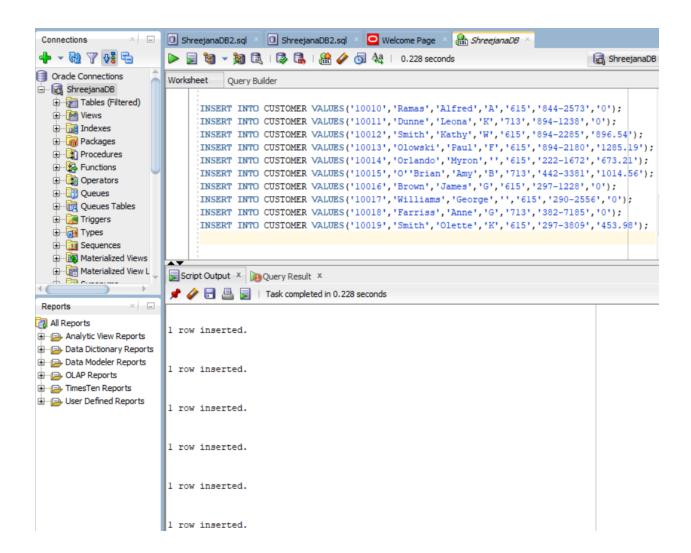
Student Name: C0930321

Student Number: Shreejana Shrestha

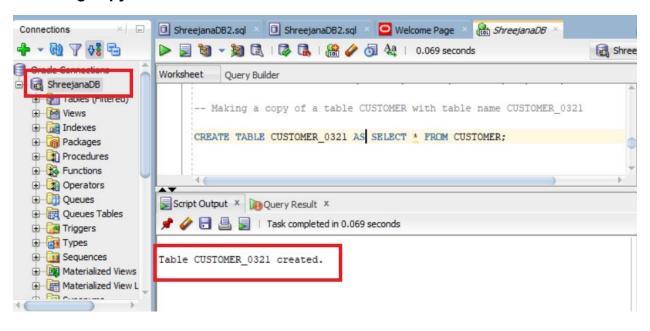
1. Customer Table creation

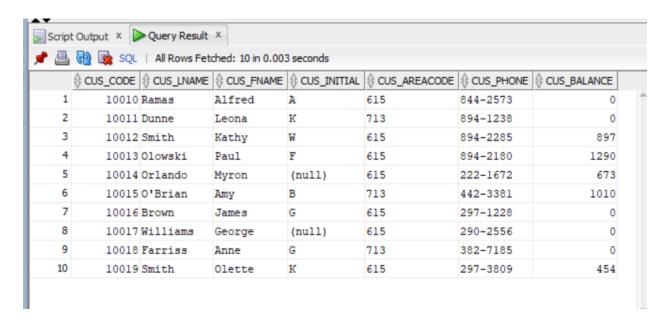


2. Table data insertion



3. Making copy of CUSTOMER table





4. Write a PL/SQL script to demonstrate the use of %TYPE, SELECT INTO using where clause, and display output.

Code block:

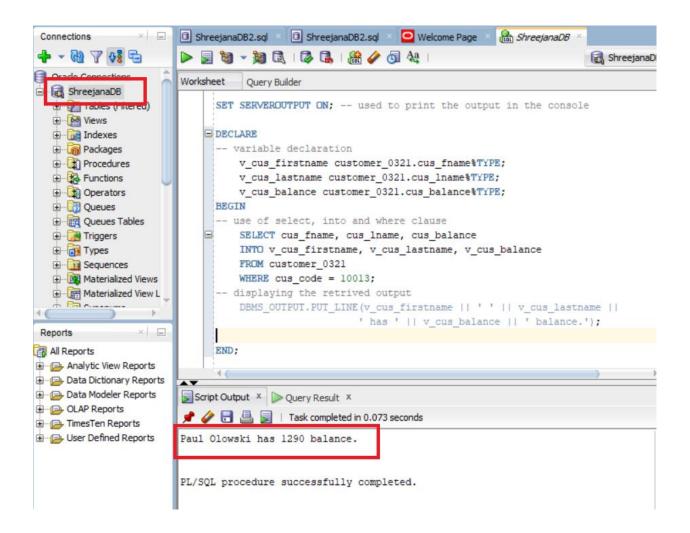
SET SERVEROUTPUT ON; -- used to print the output in the console

DECLARE

```
-- variable declaration
  v cus firstname customer 0321.cus fname%TYPE;
  v_cus_lastname customer_0321.cus_lname%TYPE;
  v cus balance customer 0321.cus balance%TYPE;
BEGIN
-- use of select, into and where clause
  SELECT cus fname, cus lname, cus balance
  INTO v cus firstname, v cus lastname, v cus balance
  FROM customer 0321
  WHERE cus = 10013;
-- displaying the retrived output
```

```
DBMS OUTPUT.PUT LINE(v cus firstname | | ' ' | | v cus lastname | |
           'has'||v cus balance||'balance.');
```

END;



5. Write a PL/SQL script to demonstrate the error "no data found".

Code block:

```
DECLARE
```

```
-- variable declaration
```

```
v_cus_firstname customer_0321.cus_fname%TYPE;v_cus_lastname customer_0321.cus_lname%TYPE;v_cus_balance customer_0321.cus_balance%TYPE;
```

BEGIN

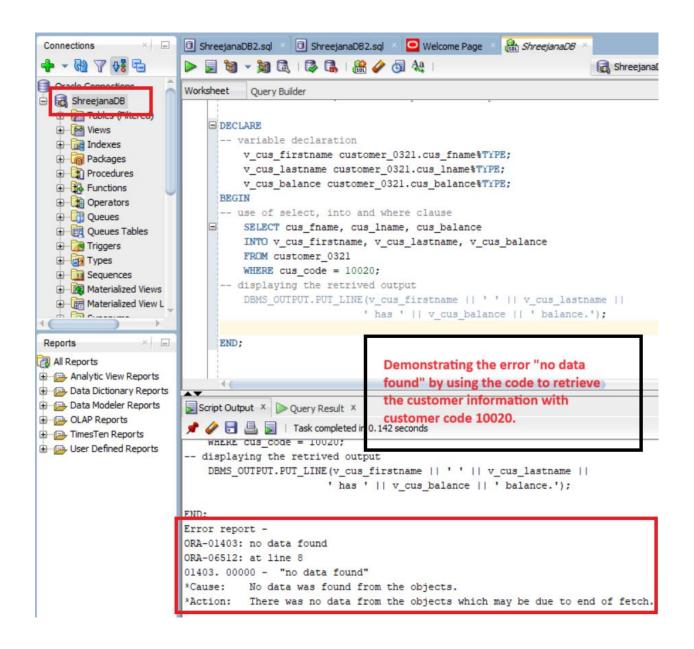
-- use of select, into and where clause

```
SELECT cus_fname, cus_lname, cus_balance
INTO v_cus_firstname, v_cus_lastname, v_cus_balance
FROM customer_0321
WHERE cus_= 10020;
```

-- displaying the retrived output

```
DBMS_OUTPUT_LINE(v_cus_firstname || ' ' || v_cus_lastname || ' has ' || v_cus_balance || ' balance.');
```

END;



6. Write a PL/SQL script to demonstrate the error "multiple rows returned".

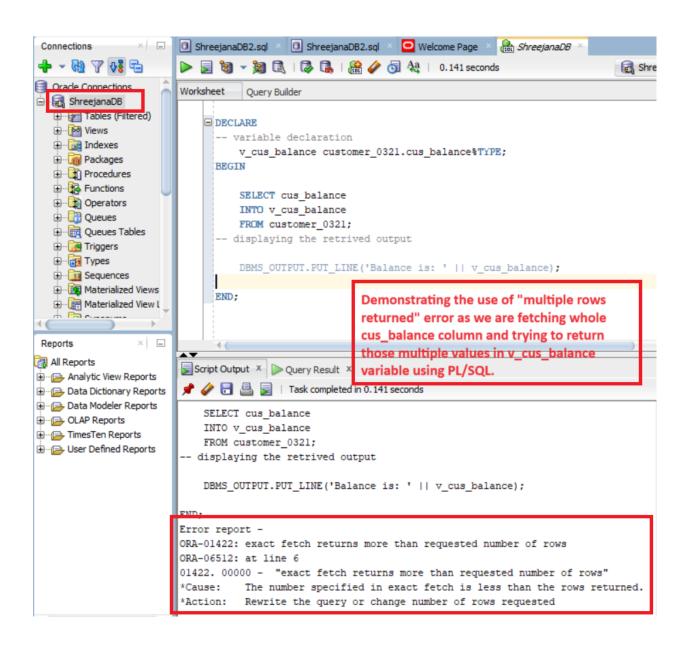
Code block:

```
DECLARE
```

-- variable declaration
v_cus_balance customer_0321.cus_balance%TYPE;

BEGIN

```
SELECT cus_balance
INTO v_cus_balance
FROM customer_0321;
-- displaying the retrived output
DBMS_OUTPUT.PUT_LINE('Balance is: ' || v_cus_balance);
END;
```



7. Write a PL/SQL script to demonstrate the use of group function.

Code block:

END;

