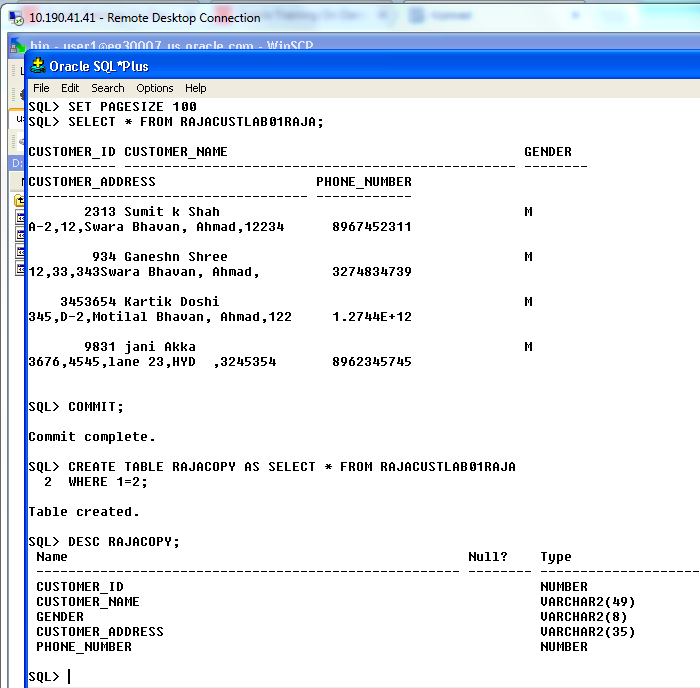
**Q2 CONCURRENT PROGRAM**

1. **REJECT DATA IF MOBILE NUMBER IS GREATER THAN 10 DIGITS;**
2. **TRANSFER M TO MALE**

**AND F TO FEMALE**

**CREATE A TEMPORARY TABLE RAJACOPY;**

****

**CREATE A PACKAGE LOADERPACK\_PKG;**

*CREATE OR REPLACE PACKAGE LOADERPACK\_PKG*

*IS*

*FUNCTION VALIDATE\_MOBILE\_NUMBER*

*(P\_CUSTOMER\_ID RAJACUSTLAB01USERRAJA.CUSTOMER\_ID%TYPE) RETURN CHAR;*

*FUNCTION GENDER\_VALUE*

*(P\_CUSTOMER\_ID RAJACUSTLAB01USERRAJA.CUSTOMER\_ID%TYPE) RETURN VARCHAR2;*

*PROCEDURE LOAD\_RECORDS*

*(P\_CUSTOMER\_ID RAJACUSTLAB01USERRAJA.CUSTOMER\_ID%TYPE,*

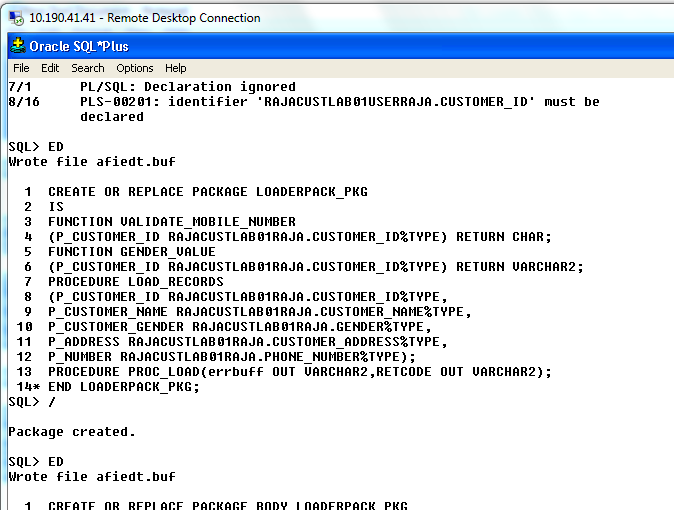
*P\_CUSTOMER\_NAME RAJACUSTLAB01USERRAJA.CUSTOMER\_NAME%TYPE,*

*P\_CUSTOMER\_GENDER RAJACUSTLAB01USERRAJA.GENDER%TYPE,*

*P\_ADDRESS RAJACUSTLAB01USERRAJA.CUSTOMER\_ADDRESS%TYPE,*

*P\_NUMBER RAJACUSTLAB01USERRAJA.PHONE\_NUMBER%TYPE,*

*PROCEDURE PROC\_LOAD(errbuff OUT VARCHAR2,RETCODE OUT VARCHAR2);*

*END LOADERPACK\_PKG;*****

**CREATE BODY FOR THE PACKAGE GIVEN ABOVE;**

*CREATE OR REPLACE PACKAGE BODY LOADERPACK\_PKG*

*IS*

*FUNCTION VALIDATE\_MOBILE\_NUMBER(p\_customer\_id RAJACUSTLAB01RAJA.customer\_id%TYPE) RETURN CHAR*

*IS*

*v\_mobile\_number NUMBER;*

*BEGIN*

*SELECT LENGTH(phone\_number)*

*INTO v\_mobile\_number*

*FROM RAJACUSTLAB01RAJA*

*WHERE customer\_id = p\_customer\_id;*

*IF v\_mobile\_number > 10 THEN*

*RETURN 'E';*

*END IF;*

*RETURN 'P';*

*END VALIDATE\_MOBILE\_NUMBER;*

*FUNCTION gender\_value(p\_customer\_id RAJACUSTLAB01RAJA.customer\_id%TYPE) RETURN VARCHAR2*

*IS*

*v\_gender VARCHAR2(15);*

*BEGIN*

*SELECT gender*

*INTO v\_gender*

*FROM RAJACUSTLAB01RAJA*

*WHERE customer\_id = p\_customer\_id;*

*IF v\_gender = 'M' THEN*

*RETURN 'Male';*

*ELSIF v\_gender = 'F' THEN*

*RETURN 'Female';*

*END IF;*

*END gender\_value;*

*PROCEDURE LOAD\_RECORDS*

*(p\_customer\_id RAJACUSTLAB01RAJA.customer\_id%TYPE,*

*p\_customer\_name RAJACUSTLAB01RAJA.customer\_name%TYPE,*

*p\_gender RAJACUSTLAB01RAJA.gender%TYPE,*

*p\_address RAJACUSTLAB01RAJA.customer\_address%TYPE,*

*p\_number RAJACUSTLAB01RAJA.phone\_number%TYPE)*

*IS*

*BEGIN*

*INSERT INTO RAJACOPY*

*(customer\_id,*

*customer\_name,*

*gender,*

*customer\_address,*

*phone\_number)*

*VALUES*

*(p\_customer\_id,*

*p\_customer\_name,*

*p\_gender,*

*p\_address,*

*p\_number);*

*END LOAD\_RECORDS;*

*PROCEDURE PROC\_LOAD(errbuff OUT VARCHAR2,retcode OUT VARCHAR2)*

*IS*

*TYPE xxcustom09 IS TABLE OF RAJACUSTLAB01RAJA%ROWTYPE INDEX BY pls\_integer;*

*xxcustom\_09 xxcustom09;*

*v\_g VARCHAR2(9);*

*v\_m CHAR(1);*

*BEGIN*

*SELECT \**

*BULK COLLECT*

*INTO xxcustom\_09*

*FROM RAJACUSTLAB01RAJA;*

*FOR i IN xxcustom\_09.FIRST..xxcustom\_09.LAST*

*LOOP*

*v\_m:=validate\_mobile\_number(xxcustom\_09(i).customer\_id);*

*IF v\_m = 'P' THEN*

*LOAD\_RECORDS*

*(p\_customer\_id => xxcustom\_09(i).customer\_id,*

*p\_customer\_name => xxcustom\_09(i).customer\_name,*

*p\_gender => gender\_value(xxcustom\_09(i).customer\_id),*

*p\_address => xxcustom\_09(i).customer\_address,*

*p\_number => xxcustom\_09(i).phone\_number);*

*END IF;*

*END LOOP;*

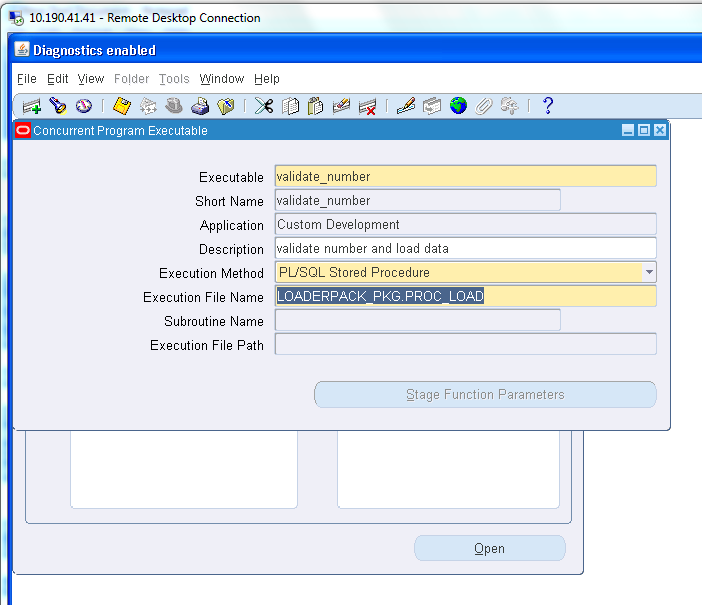
*END PROC\_LOAD;*

*END LOADERPACK\_PKG;*

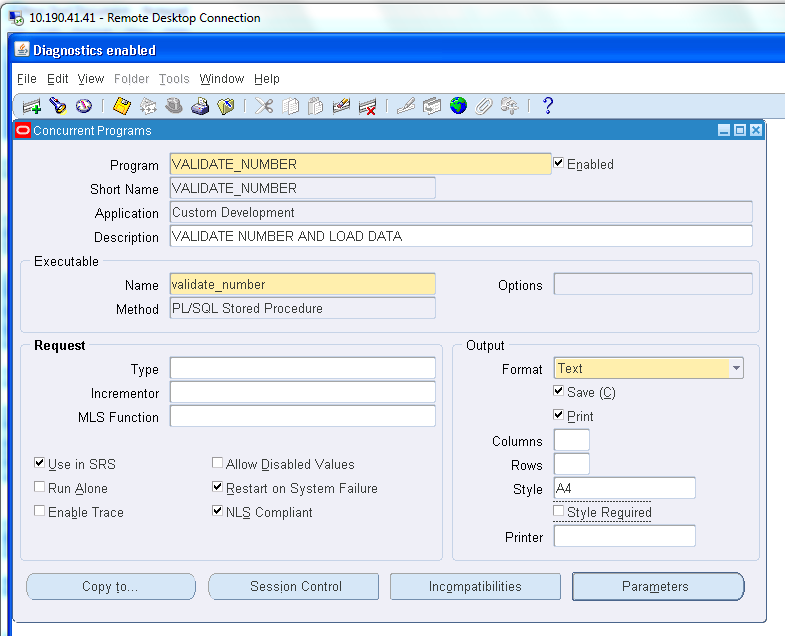
****

**CREATE A EXECUTABLE FILE FOR THE PACKAGE IN THE ORACLE SERVER**

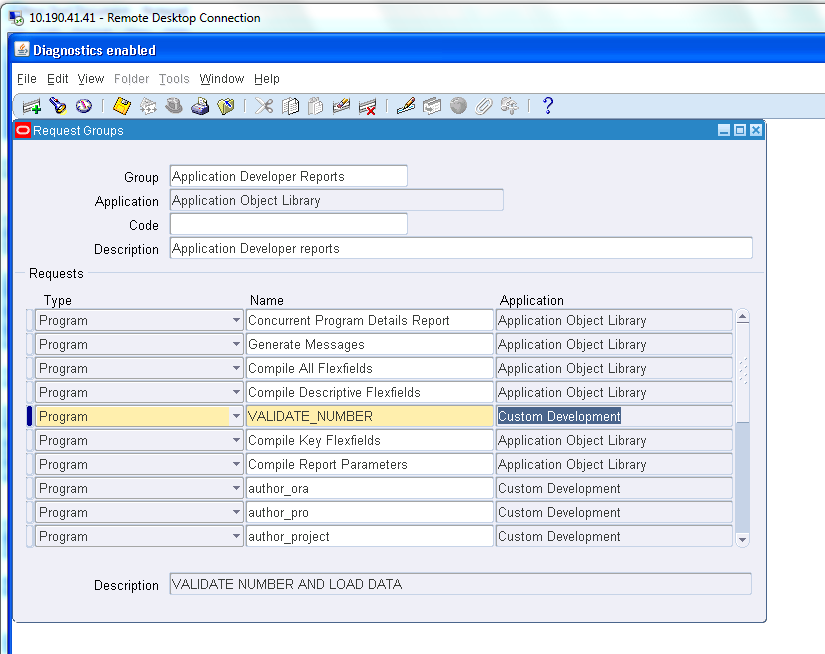
**AND SAVE IT;**

****

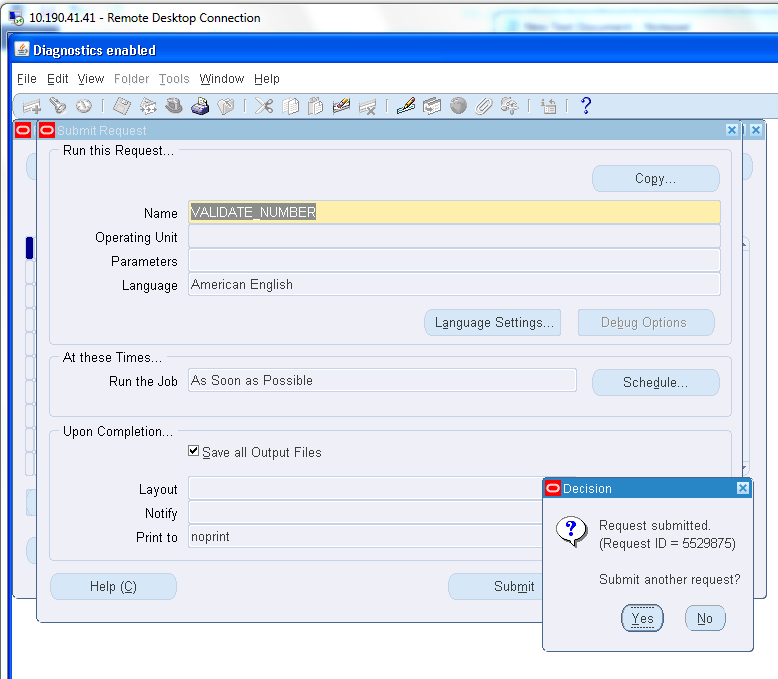
**CREATE A PROGRAM FILE FOR THE PACKAGE AND SAVE IT;**

****

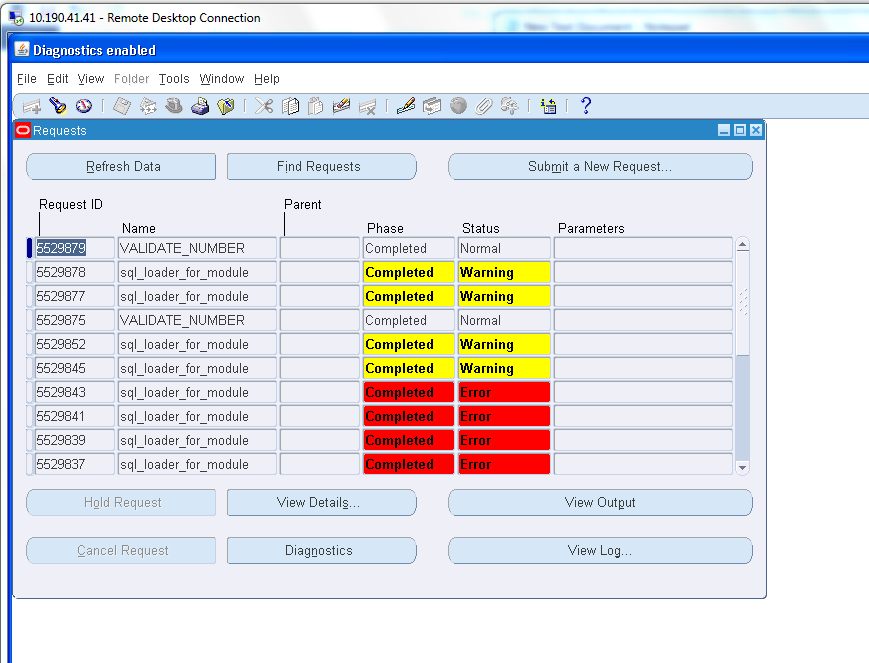
**PLACE IT IN THE GROUP AND SAVE IT;**

****

**RUN THE FORM**

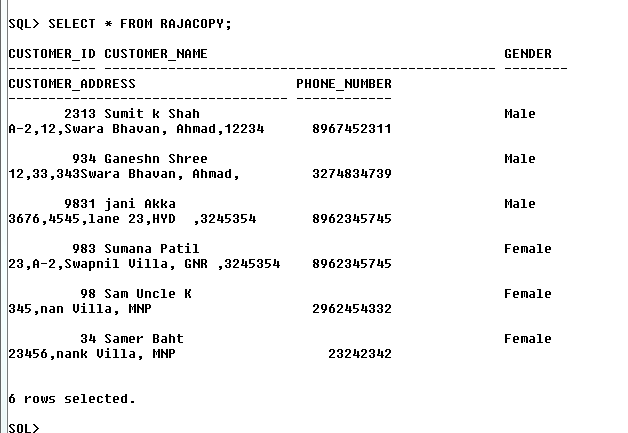
****

**CHECK OUTPUT FILE STATUS;**

****

**CHECK OUTPUT FILE IN THE SQL PLUS**

**AND COMMIT CHANGES;**

****