

Q1-

CREATE TABLE SUPPLIER_BCT0358(SID VARCHAR(3),SNAME VARCHAR(7) NOT NULL,STATUS NUMBER(2) NOT NULL,CITY VARCHAR(8));

CREATE TABLE

PART_BCT0358(PID VARCHAR2(2),PNAME VARCHAR(10),COLOUR VARCHAR2(5),WEIGHT NUMBER(2),CITY VARCHAR2(8));

CREATE TABLE PART_BCT0358(PID VARCHAR2(2),PNAME VARCHAR(10),COLOUR VARCHAR2(5),WEIGHT NUMBER(2),CITY VARCHAR2(8));

INSERT INTO SUPPLIER_21BCT0358 VALUES ('S1','SMITH','20','LONDON');

INSERT INTO SUPPLIER_21BCT0358 VALUES ('S2','JONES','10','PARIS');

INSERT INTO SUPPLIER 21BCT0358 VALUES ('S3', 'BLAKE', '30', 'PARIS');

INSERT INTO SUPPLIER 21BCT0358 VALUES ('S4', 'CLARK', '20', 'LONDON');

NSERT INTO SUPPLIER_21BCT0358 VALUES ('S5','ADAMS','30','ATHENS');

CREATE TABLE SHIPMENT_21BCT0358(Sid number(10),PID number(10),FOREIGN KEY(Sid) references customer(cid),FOREIGN KEY(lno) references loan(lno),primary key(cid,lno));

nter user-name: EXAM045@SCOPEORA

Enter password:

Connected to:

```
-h
                 --help
 -H <file>
                    --history-filename=<file>
 -i
                 --case-insensitive
 -I
                 --pass-sigint-as-sigterm
 -l <file>
                   --logfile=<file>
                         --multi-line[=newline substitute]
 -m[newline substitute]
 -M < .ext >
                     --multi-line-ext=<.ext>
 -n
                 --no-warnings
 -N
                  --no-children
                 --one-shot
 -0
 -O <regexp>
                       --only-cook=<regexp>
 -p[colour]
                    --prompt-colour[=colour]
 -P <input>
                     --pre-given=<input>
 -q <chars>
                     --quote-characters=<chars>
                 --remember
 -r
 -R
                  --renice
 -s < N >
                    --histsize=<N> (negative: readonly)
                      --substitute-prompt=rompt>
 -S <prompt>
                     --set-term-name=<name>
 -t <name>
 -IJ
                  --mirror-arguments
                  --version
 -V
                     --wait-before-prompt=<N> (msec, <0 : patient mode)
 -w <N>
 -W
                   --polling
 -z <filter command>
                         --filter=<filter command> ('rlwrap -z listing' writes a list of installed
filters)
bug reports, suggestions, updates:
https://github.com/hanslub42/rlwrap
matlab@SJT416SCOPE046:~$ rlwrap sqlplus
```

SQL*Plus: Release 19.0.0.0.0 - Production on Tue Jul 4 15:02:23 2023 Version 19.3.0.0.0

Copyright (c) 1982, 2019, Oracle. All rights reserved.

Enter user-name: EXAM045@SCOPEORA

Enter password:

Connected to:

Name

Oracle Database 11g Enterprise Edition Release 11.2.0.1.0 - 64bit Production With the Partitioning, OLAP, Data Mining and Real Application Testing options

Null? Type

SQL> DESC SUPPLIER_21BCT0358;

SID NOT NULL VARCHAR2(3)

SNAME NOT NULL VARCHAR2(7)

STATUS NOT NULL NUMBER(2) **CITY** VARCHAR2(8)

SQL> DESC SUPPLIER BCT0358;

Name Null? Type ______

SID

VARCHAR2(3)

SNAME

NOT NULL VARCHAR2(7)

STATUS CITY NOT NULL NUMBER(2) VARCHAR2(8)

SQL> CREATE TABLE PART_BCT0358(PID VARCHAR2(2),PNAME VARCHAR(10),COLOUR VARCHAR2(5),WEIGHT NUMBER(2),CITY VARCHAR2(8)); CREATE TABLE PART_BCT0358(PID VARCHAR2(2),PNAME VARCHAR(10),COLOUR VARCHAR2(5),WEIGHT NUMBER(2),CITY VARCHAR2(8))

*

ERROR at line 1:

ORA-00955: name is already used by an existing object

SQL> CREATE TABLE PART_21BCT0358(PID VARCHAR2(2) PRIMARY KEY ,PNAME VARCHAR(10),COLOUR VARCHAR2(5),WEIGHT NUMBER(2),CITY VARCHAR2(8));

Table created.

SQL> DROP TABLE PART_21BCT0358;

Table dropped.

SQL> PART_BCT0358(PID VARCHAR2(2) PRIMARY KEY,PNAME VARCHAR(10),COLOUR VARCHAR2(5),WEIGHT NUMBER(2),CITY VARCHAR2(8)); SP2-0734: unknown command beginning "PART_BCT03..." - rest of line ignored. SQL> CREATE TABLE PART_21BCT0358(PID VARCHAR2(2) PRIMARY KEY,PNAME VARCHAR(10),COLOUR VARCHAR2(5),WEIGHT NUMBER(2),CITY VARCHAR2(8));

Table created.

SQL> CREATE TABLE SHIPMENT_21BCT0358(Sid number(5),PID number(5),FOREIGN KEY(Sid) references SUPPLIER_21BCT0358(Sid),FOREIGN KEY(Pno) references PART_21BCT0358(PID),primary key(Sid,PID)); CREATE TABLE SHIPMENT_21BCT0358(Sid number(5),PID number(5),FOREIGN KEY(Sid) references SUPPLIER_21BCT0358(Sid),FOREIGN KEY(Pno) references PART_21BCT0358(PID),primary key(Sid,PID))

ERROR at line 1:

ORA-00904: "PNO": invalid identifier

SQL> CREATE TABLE SHIPMENT_21BCT0358(Sid number(2),PID number(2),FOREIGN KEY(Sid) references SUPPLIER_21BCT0358(Sid),FOREIGN KEY(Pno) references PART_21BCT0358(PID),primary key(Sid,PID));

CREATE TABLE SHIPMENT_21BCT0358(Sid number(2),PID number(2),FOREIGN KEY(Sid) references SUPPLIER_21BCT0358(Sid),FOREIGN KEY(Pno) references PART_21BCT0358(PID),primary key(Sid,PID))

ERROR at line 1:

ORA-00904: "PNO": invalid identifier

SQL> CREATE TABLE SHIPMENT_21BCT0358(Sid number(2),PID number(2),FOREIGN KEY(Sid) references SUPPLIER_21BCT0358(Sid),FOREIGN KEY(PID) references PART_21BCT0358(PID),primary key(Sid,PID));

CREATE TABLE SHIPMENT_21BCT0358(Sid number(2),PID number(2),FOREIGN KEY(Sid) references SUPPLIER_21BCT0358(Sid),FOREIGN KEY(PID) references PART_21BCT0358(PID),primary key(Sid,PID))

ERROR at line 1:

ORA-02267: column type incompatible with referenced column type

SQL> CREATE TABLE SHIPMENT_21BCT0358(Sid number(2),PID number(2),FOREIGN KEY(Sid) references SUPPLIER_21BCT0358(Sid),FOREIGN KEY(PID) references PART_21BCT0358(PID),primary key(Sid,PID)); CREATE TABLE SHIPMENT_21BCT0358(Sid number(2),PID number(2),FOREIGN KEY(Sid) references SUPPLIER_21BCT0358(Sid),FOREIGN KEY(PID) references PART_21BCT0358(PID),primary key(Sid,PID))

ERROR at line 1:

ORA-02267: column type incompatible with referenced column type

SQL> CREATE TABLE SHIPMENT_21BCT0358(Sid VARCHAR2(2),PID VARCHAR2(2),FOREIGN KEY(Sid) references SUPPLIER_21BCT0358(Sid),FOREIGN KEY(PID) references PART_21BCT0358(PID),primary key(Sid,PID));

Table created.

INSERT INTO SUPPLIER_21BCT0358 VALUES ('S1','SMITH','20','LONDON');

INSERT INTO SUPPLIER_21BCT0358 VALUES ('S2','JONES','10','PARIS');

INSERT INTO SUPPLIER_21BCT0358 VALUES ('S3','BLAKE','30','PARIS');

INSERT INTO SUPPLIER_21BCT0358 VALUES ('S4','CLARK','20','LONDON');

NSERT INTO SUPPLIER_21BCT0358 VALUES ('S5','ADAMS','30','ATHENS');

1 row created.

SQL> SQL> SQL> SQL> 1 row created.

SQL> SQL> SQL> SQL>

```
SQL> SQL> SQL> SQL>
1 row created.
SQL> SQL> SQL> SP2-0734: unknown command beginning "NSERT INTO..." - rest of line
ignored.
SQL> INSERT INTO SUPPLIER_21BCT0358 VALUES ('S5','ADAMS','30','ATHENS');
1 row created.
INSERT INTO PART 21BCT0358 VALUES('P1','NUT','RED','12','LONDON');
INSERT INTO PART_21BCT0358 VALUES('P2','BOLT','GREEN','17','PARIS');
INSERT INTO PART_21BCT0358 VALUES('P3','SCREW','BLUE','17','ROME');
INSERT INTO PART_21BCT0358 VALUES('P4','SCREW','RED','14','LONDON');
INSERT INTO PART_21BCT0358 VALUES('P5','CAM','BLUE','12','PARIS');
INSERT INTO PART_21BCT0358 VALUES('P6','COG','RED','19','LONDON');
1 row created.
SQL> SQL>
1 row created.
INSERT INTO SHIPMENT_21BCT0358 VALUES('S1','P1',300);
INSERT INTO SHIPMENT_21BCT0358 VALUES('S1','P1',300)
ERROR at line 1:
ORA-00913: too many values
SQL> SQL>
SQL>
INSERT INTO SHIPMENT 21BCT0358 VALUES('S1','P2',200);
```

1 row created.

```
INSERT INTO SHIPMENT_21BCT0358 VALUES('S1','P2',200)
ERROR at line 1:
ORA-00913: too many values
SQL> SQL>
SQL>
INSERT INTO SHIPMENT_21BCT0358 VALUES('S1','P3',400);
INSERT INTO SHIPMENT_21BCT0358 VALUES('S1','P3',400)
ERROR at line 1:
ORA-00913: too many values
SQL> SQL>
SQL>
INSERT INTO SHIPMENT_21BCT0358 VALUES('S1','P6',100);
INSERT INTO SHIPMENT_21BCT0358 VALUES('S1','P6',100)
ERROR at line 1:
ORA-00913: too many values
SQL> SQL>
SQL>
INSERT INTO SHIPMENT_21BCT0358 VALUES('S2','P2',400);
INSERT INTO SHIPMENT_21BCT0358 VALUES('S2','P2',400)
ERROR at line 1:
ORA-00913: too many values
SQL> SQL>
SQL>
INSERT INTO SHIPMENT_21BCT0358 VALUES('S3','P2',200);
INSERT INTO SHIPMENT_21BCT0358 VALUES('S3','P2',200)
ERROR at line 1:
ORA-00913: too many values
SQL> SQL>
INSERT INTO SHIPMENT_21BCT0358 VALUES('S4','P4',300);
INSERT INTO SHIPMENT_21BCT0358 VALUES('S4','P4',300)
ERROR at line 1:
```

ORA-00913: too many values

SQL> SQL>

SQL>

SQL> INSERT INTO SHIPMENT_21BCT0358 VALUES('S4','P5',400);

INSERT INTO SHIPMENT_21BCT0358 VALUES('S4','P5',400)

*

ERROR at line 1:

ORA-00913: too many values

SQL> DESE SHIPMENT_21BCT0358;

SP2-0734: unknown command beginning "DESE SHIPM..." - rest of line ignored.

SQL> DESC SHIPMENT_21BCT0358;

Name Null? Type

SID NOT NULL VARCHAR2(2) PID NOT NULL VARCHAR2(2)

SQL> SELECT * FROM SHIPMENT_21BCT0358;

no rows selected

SQL> DESC SUPPLIER_21BCT0358;

Name Null? Type

SID NOT NULL VARCHAR2(3)

SNAME NOT NULL VARCHAR2(7)

STATUS NOT NULL NUMBER(2)
CITY VARCHAR2(8)

SQL> DESC PART_21BCT0358;

Name Null? Type

PID NOT NULL VARCHAR2(2) PNAME VARCHAR2(10)

COLOUR VARCHAR2(5)
WEIGHT NUMBER(2)
CITY VARCHAR2(8)

SQL> DROP TABLE SHIPMENT_21BCT0358;

Table dropped.

SQL> CREATE TABLE SHIPMENT_21BCT0358(Sid VARCHAR2(2),PID VARCHAR2(2),FOREIGN KEY(Sid) references SUPPLIER_21BCT0358(Sid),FOREIGN KEY(PID) references PART_21BCT0358(PID),primary key(Sid,PID));

Table created.

SQL> DROP TABLE SHIPMENT_21BCT0358;

Table dropped.

SQL> CREATE TABLE SHIPMENT 21BCT0358(Sid VARCHAR2(2),PID VARCHAR2(2),QTY NUMBER(3) FOREIGN KEY(Sid) references SUPPLIER 21BCT0358(Sid),FOREIGN KEY(PID) references PART_21BCT0358(PID), primary key(Sid,PID)); CREATE TABLE SHIPMENT_21BCT0358(Sid VARCHAR2(2),PID VARCHAR2(2),QTY NUMBER(3) FOREIGN KEY(Sid) references SUPPLIER_21BCT0358(Sid),FOREIGN KEY(PID) references PART_21BCT0358(PID), primary key(Sid,PID))

ERROR at line 1:

ORA-00907: missing right parenthesis

SQL> CREATE TABLE SHIPMENT_21BCT0358(Sid VARCHAR2(2),PID VARCHAR2(2),QTY NUMBER(3), FOREIGN KEY(Sid) references SUPPLIER_21BCT0358(Sid),FOREIGN KEY(PID) references PART 21BCT0358(PID), primary key(Sid,PID));

Table created.

SQL> DESC SUPPLIER_21BCT0358;

Null? Type

SID NOT NULL VARCHAR2(3)

NOT NULL VARCHAR2(7) **SNAME**

STATUS NOT NULL NUMBER(2)

VARCHAR2(8) **CITY**

SQL> DESC PART_21BCT0358;

Null? Type Name

PID NOT NULL VARCHAR2(2)

PNAME VARCHAR2(10)

COLOUR VARCHAR2(5) NUMBER(2) WEIGHT **CITY** VARCHAR2(8)

SQL> DESC SHIPMENT 21BCT0358;

Name Null? Type

SID NOT NULL VARCHAR2(2)

PID NOT NULL VARCHAR2(2)

QTY NUMBER(3)

INSERT INTO SHIPMENT 21BCT0358 VALUES('S1','P1',300);

INSERT INTO SHIPMENT_21BCT0358 VALUES('S1','P2',200);

INSERT INTO SHIPMENT_21BCT0358 VALUES('S1','P3',400);

INSERT INTO SHIPMENT_21BCT0358 VALUES('S1','P6',100);

INSERT INTO SHIPMENT_21BCT0358 VALUES('S2','P2',400);

INSERT INTO SHIPMENT_21BCT0358 VALUES('S3','P2',200);

INSERT INTO SHIPMENT_21BCT0358 VALUES('S4','P4',300);

1 row created.

SQL> SQL> SQL> SQL> 1 row created.

SQL> SQL> SQL>

1 row created.

SQL> SQL> SQL> SQL> INSERT INTO SHIPMENT_21BCT0358 VALUES('S4','P5',400);

1 row created.

SQL> SELECT * FROM SUPPLIER_21BCT0358;

SID SNAME STATUS CITY

--- -----

S1 SMITH 20 LONDON S2 JONES 10 PARIS S3 BLAKE 30 PARIS

S4 CLARK 20 LONDON S5 ADAMS 30 ATHENS

SQL> SELECT * FROM PART_21BCT0358;

PI PNAME	COLOU	WEIGHT CITY
P1 NUT	RED	12 LONDON
P2 BOLT	GREEN	17 PARIS
P3 SCREW	BLUE	17 ROME
P4 SCREW	RED	14 LONDON
P5 CAM	BLU	E 12 PARIS
P6 COG	RED	19 LONDON

6 rows selected.

SQL> SELECT * FROM SHIPMENT_21BCT0358;

SI PI	QTY		
S1 P1	300		
S1 P2	200		
S1 P3	400		
S1 P6	100		
S2 P2	400		
S3 P2	200		
S4 P4	300		
S4 P5	400		

8 rows selected.

SQL> SELECT SNAME FROM SUPPLIER_BCT0358 AS S ,PART_21BCT0358 AS P WHERE S.CITY=P.CITY AND PID=2;

SELECT SNAME FROM SUPPLIER_BCT0358 AS S ,PART_21BCT0358 AS P WHERE S.CITY=P.CITY AND PID=2

ERROR at line 1:

ORA-00933: SQL command not properly ended

SQL> SELECT SNAME FROM SUPPLIER_21BCT0358 AS S ,PART_21BCT0358 AS P WHERE S.CITY=P.CITY AND PID=2;

SELECT SNAME FROM SUPPLIER_21BCT0358 AS S ,PART_21BCT0358 AS P WHERE S.CITY=P.CITY AND PID=2

ERROR at line 1:

ORA-00933: SQL command not properly ended

SQL> SELECT SNAME FROM SUPPLIER_21BCT0358 AS S ,PART_21BCT0358 AS P WHERE S.CITY=P.CITY AND PID=2;

SELECT SNAME FROM SUPPLIER_21BCT0358 AS S ,PART_21BCT0358 AS P WHERE S.CITY=P.CITY AND PID=2

ERROR at line 1:

ORA-00933: SQL command not properly ended

SQL> UPDATE SHIPMENT_21BCT0358 REMANE SHIP; UPDATE SHIPMENT_21BCT0358 REMANE SHIP

ERROR at line 1:

ORA-00971: missing SET keyword

SQL> UPDATE SHIPMENT_21BCT0358 SET REMANE SHIP; UPDATE SHIPMENT_21BCT0358 SET REMANE SHIP

ERROR at line 1:

ORA-00927: missing equal sign

SQL> SELECT SNAME FROM SUPPLIER_21BCT0358,PART_21BCT0358 WHER PID=P2; SELECT SNAME FROM SUPPLIER_21BCT0358,PART_21BCT0358 WHER PID=P2

ERROR at line 1:

ORA-00933: SQL command not properly ended

SQL> SELECT SNAME FROM SUPPLIER_21BCT0358,PART_21BCT0358 WHERE PID=P2; SELECT SNAME FROM SUPPLIER_21BCT0358,PART_21BCT0358 WHERE PID=P2

ERROR at line 1:

ORA-00904: "P2": invalid identifier

SQL> ALTER TABLE SUPPLIER_21BCT0358 RENAME TO SHIP;

Table altered.

SQL> SELECT SNAME FROM SHIP,PART_21BCT0358 WHERE PID=P2; SELECT SNAME FROM SHIP,PART_21BCT0358 WHERE PID=P2

ERROR at line 1:

ORA-00904: "P2": invalid identifier

SQL> SELECT SNAME FROM SHIP, PART_21BCT0358 WHERE PID='P2';

SNAME

SMITH

JONES

BLAKE CLARK ADAMS

SQL> SELECT COLOR, CITY FROM PART_21BCT0358, SHIP; SELECT COLOR, CITY FROM PART_21BCT0358, SHIP

ERROR at line 1:

ORA-00918: column ambiguously defined

SQL> SELECT COLOR, CITY FROM PART 21BCT0358, SHIP;

Oracle Database 11g Enterprise Edition Release 11.2.0.1.0 - 64bit Production With the Partitioning, OLAP, Data Mining and Real Application Testing options

SQL> CREATE TABLE SUPPLIER_BCT0358(SID VARCHAR(3),SNAME VARCHAR(7) NOT NULL,STATUS NUMBER(2) NOT NULL,CITY VARCHAR(8));

Table created.

SQL> CREATE TABLE PART_BCT0358(PID VARCHAR2(2),PNAME VARCHAR(10),COLOUR VARCHAR2(5),WEIGHT NUMBER(2),CITY VARCHAR2(8));

Table created.

SQL> CREATE TABLE SHIPMENT_BCT0358(SID VARCHAR2(2), PID VARCHAR2(2), OTY NUMBER(4));

Table created.

SQL> INSERT INTO SUPPLIER_BCT0358('S1','SMITH','20','LONDON'); INSERT INTO SUPPLIER_BCT0358('S1','SMITH','20','LONDON')

ERROR at line 1:

ORA-00928: missing SELECT keyword

SQL> INSERT INTO SUPPLIER BCT0358 VALUES ('S1','SMITH','20','LONDON');

1 row created.

SQL> INSERT INTO SUPPLIER_BCT0358 VALUES ('S2','JONES','10','PARIS');

1 row created.

INSERT INTO SUPPLIER_BCT0358 VALUES ('S3','BLAKE','30','PARIS');

1 row created.

SQL> INSERT INTO SUPPLIER BCT0358 VALUES ('S4', 'CLARK', '20', 'LONDON');

1 row created.

SQL> INSERT INTO SUPPLIER_BCT0358 VALUES ('S5','ADAMS','30','ATHENS'); 1 row created.

INSERT INTO PART_21BCT0358 VALUES('P1','NUT','RED','12','LONDON');

INSERT INTO PART_21BCT0358 VALUES('P2','BOLT','GREEN','17','PARIS');

INSERT INTO PART_21BCT0358 VALUES('P3','SCREW','BLUE','17','ROME');

INSERT INTO PART_21BCT0358 VALUES('P4','SCREW','RED','14','LONDON');

INSERT INTO PART_21BCT0358 VALUES('P5','CAM','BLUE','12','PARIS');

INSERT INTO PART_21BCT0358 VALUES('P6','COG','RED','19','LONDON');

INSERT INTO SHIPMENT_21BCT0358 VALUES('S1','P1',300);

INSERT INTO SHIPMENT_21BCT0358 VALUES('S1','P2',200);

INSERT INTO SHIPMENT_21BCT0358 VALUES('S1','P3',400);

INSERT INTO SHIPMENT_21BCT0358 VALUES('S1','P6',100);

INSERT INTO SHIPMENT_21BCT0358 VALUES('S2','P2',400);

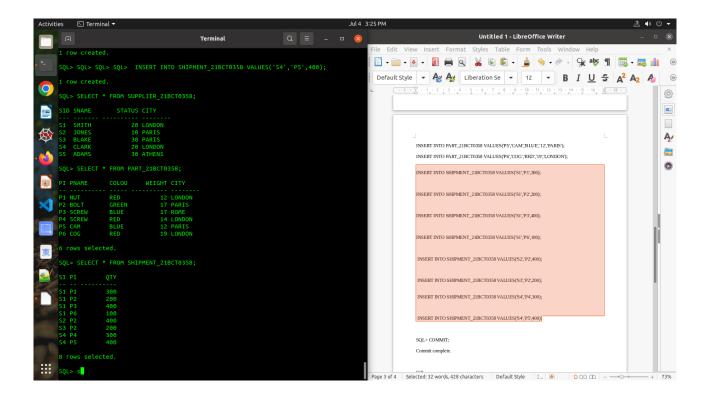
INSERT INTO SHIPMENT_21BCT0358 VALUES('S3','P2',200);

INSERT INTO SHIPMENT_21BCT0358 VALUES('S4','P4',300);

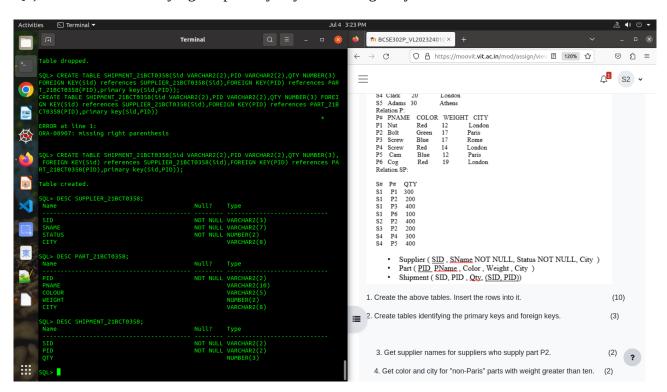
INSERT INTO SHIPMENT_21BCT0358 VALUES('S4','P5',400);

SQL> COMMIT;

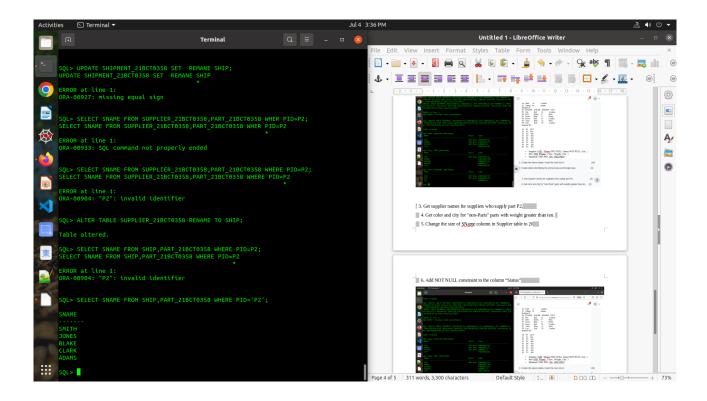
Commit complete.



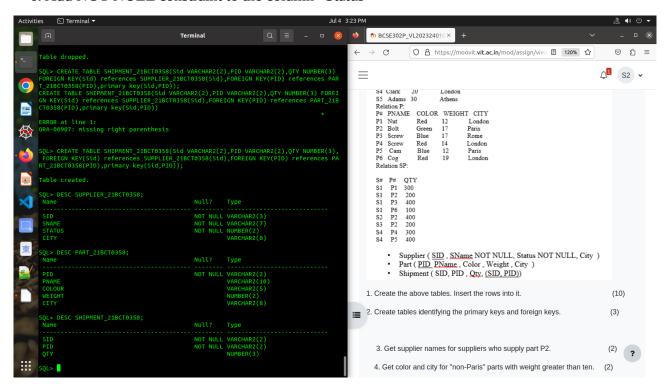
Q2)Create tables identifying the primary keys and foreign keys.



3. Get supplier names for suppliers who supply part P2.



- 4. Get color and city for "non-Paris" parts with weight greater than ten.
- 5. Change the size of SName column in Supplier table to 20
- 6. Add NOT NULL constraint to the column "Status"



7. Rename the table "Shipment" to "Ship".

SQL> ALTER TABLE SUPPLIER_21BCT0358 RENAME TO SHIP;

Table altered.

SQL>