





























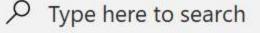




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Command Prompt - sqlplus
SQL>
SQL> --a)
SQL> CREATE TABLE T1 AS (SELECT DISTINCT (Student name) FROM Course Taken);
CREATE TABLE T1 AS (SELECT DISTINCT (Student_name) FROM Course_Taken)
ERROR at line 1:
ORA-00955: name is already used by an existing object
SQL> SELECT * FROM T1;
STUDENT_NAME
Robert
Tom
David
Hannah
SQL> --b)
SQL> CREATE TABLE T2 AS (SELECT * FROM T1,Course_Required);
CREATE TABLE T2 AS (SELECT * FROM T1, Course Required)
ERROR at line 1:
ORA-00955: name is already used by an existing object
SQL> SELECT * FROM T2;
STUDENT NAME
Robert
               Databases
               Databases
Tom
David
               Databases
Hannah
               Databases
Robert
               Programming Languages
               Programming Languages
Tom
               Programming Languages
David
               Programming Languages
Hannah
8 rows selected.
```































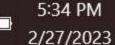














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Command Prompt - sqlplus
8 rows selected.
SQL> --c)
SQL> CREATE TABLE T3 AS ((SELECT * FROM T2) MINUS (SELECT * FROM Course_Taken));
CREATE TABLE T3 AS ((SELECT * FROM T2) MINUS (SELECT * FROM Course Taken))
ERROR at line 1:
ORA-00955: name is already used by an existing object
SQL> SELECT * FROM T3;
STUDENT_NAME
               COURSE
David
               Programming Languages
Hannah
               Databases
               Databases
Tom
               Programming Languages
Tom
SQL> --d)
SQL> CREATE TABLE T4 AS (SELECT * FROM T2 MINUS SELECT * FROM Course Taken);
CREATE TABLE T4 AS (SELECT * FROM T2 MINUS SELECT * FROM Course_Taken)
ERROR at line 1:
ORA-00955: name is already used by an existing object
SQL> SELECT DISTINCT (Student_name) FROM T4;
STUDENT_NAME
Tom
David
Hannah
SQL> --e)
SQL> CREATE TABLE T5 AS (SELECT * FROM T1 MINUS SELECT DISTINCT (Student_name) FROM T4);
CREATE TABLE T5 AS (SELECT * FROM T1 MINUS SELECT DISTINCT (Student name) FROM T4)
ERROR at line 1:
```

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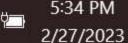














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Command Prompt - sqlplus
                                                                                                                                                           X
David
Hannah
SQL> --e)
SQL> CREATE TABLE T5 AS (SELECT * FROM T1 MINUS SELECT DISTINCT (Student_name) FROM T4);
CREATE TABLE T5 AS (SELECT * FROM T1 MINUS SELECT DISTINCT (Student name) FROM T4)
ERROR at line 1:
ORA-00955: name is already used by an existing object
SQL> SELECT * FROM T5;
STUDENT_NAME
Robert
SQL>
SQL> --Q2)
SQL> SELECT DISTINCT(student_name) FROM (SELECT * FROM
2 (SELECT DISTINCT(student_name) FROM Course_Taken),
3 (SELECT course FROM Course_Required)
 4 MINUS
5 SELECT student name, course FROM Course Taken);
STUDENT_NAME
David
Hannah
SQL>
SQL> CREATE TABLE tab AS (SELECT * FROM Course Taken WHERE course = ANY(SELECT course FROM Course Required));
Table created.
SQL> CREATE TABLE Non Graduate AS SELECT DISTINCT(student name) FROM (SELECT * FROM T2 MINUS SELECT * FROM tab);
Table created.
SQL> SELECT * FROM Non_Graduate;
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Command Prompt - sqlplus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                X
SQL> --Q2)
SQL> SELECT DISTINCT(student_name) FROM (SELECT * FROM
    2 (SELECT DISTINCT(student_name) FROM Course_Taken),
    3 (SELECT course FROM Course_Required)
    4 MINUS
    5 SELECT student_name, course FROM Course_Taken);
STUDENT_NAME
David
Hannah
SQL>
SQL> CREATE TABLE tab AS (SELECT * FROM Course_Taken WHERE course = ANY(SELECT course FROM Course_Required));
Table created.
SQL> CREATE TABLE Non Graduate AS SELECT DISTINCT(student name) FROM (SELECT * FROM T2 MINUS SELECT * FROM tab);
Table created.
SQL> SELECT * FROM Non_Graduate;
STUDENT NAME
Tom
David
Hannah
SQL> SELECT * FROM T1 INTERSECT SELECT DISTINCT(student_name) FROM T3;
STUDENT NAME
David
Hannah
SQL> --Q3)
SQL> CREATE TABLE Bank (Bank_name varchar(5), State_name varchar(15));

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Command Prompt - sqlplus
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SQL> --Q3)
SQL> CREATE TABLE Bank (Bank_name varchar(5), State_name varchar(15));
Table created.
SQL> INSERT INTO Bank VALUES('SBI','Andhra Pradesh');
1 row created.
SQL> INSERT INTO Bank VALUES('SBI','Tamilnadu');
1 row created.
SQL> INSERT INTO Bank VALUES('SBI','Karnataka');
1 row created.
SQL> INSERT INTO Bank VALUES('ICICI','Tamilnadu');
1 row created.
SQL> INSERT INTO Bank VALUES('ICICI','Karnataka');
1 row created.
SQL> SELECT * FROM Bank;
BANK_ STATE_NAME
SBI Andhra Pradesh
SBI Tamilnadu
SBI Karnataka
ICICI Tamilnadu
ICICI Karnataka
SQL> CREATE TABLE Account Holder ( Account name varchar(15), Bank name varchar(5), State name varchar(15));
Table created.
SQL> INSERT INTO Account_Holder VALUES('Ramesh','ICICI','Tamilnadu');

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Command Prompt - sqlplus
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SQL> --b)
SQL> CREATE TABLE A1 AS (SELECT DISTINCT(State_name) FROM Bank);
Table created.
SQL> CREATE TABLE A2 AS (SELECT DISTINCT(Bank_name) FROM Bank);
Table created.
SQL> SELECT * FROM A2;
BANK_
ICICI
SBI
SQL> CREATE TABLE A3 AS
2 (SELECT * FROM A2, A1);
Table created.
SQL> CREATE TABLE A4 AS
2 (SELECT * FROM A3
 3 MINUS
 4 SELECT * FROM Bank);
Table created.
SQL> CREATE TABLE A5 AS (SELECT DISTINCT(Bank_name) FROM A4);
Table created.
SQL> SELECT * FROM A2
2 MINUS
3 SELECT * FROM A5;
BANK_
SBI
SQL>
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