Live SQL

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Statement 1

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```sql
CREATE TABLE Arsh_Student (
    Student_id NUMBER(10) PRIMARY KEY,
    Student_name VARCHAR2(80) NOT NULL,
    Age NUMBER(10) NOT NULL CHECK (Age > 17),
    Adhar_no NUMBER(20) UNIQUE,
    Dept_id NUMBER(10)
)
```

Table created.

Statement 2

✏ ▷ 🗑

```sql
desc Arsh_Student
```

TABLE ARSH_STUDENT

Column	Null?	Type
STUDENT_ID	NOT NULL	NUMBER(10,0)
STUDENT_NAME	NOT NULL	VARCHAR2(80)
AGE	NOT NULL	NUMBER(10,0)
ADHAR_NO	–	NUMBER(20,0)
DEPT_ID	–	NUMBER(10,0)

Download CSV

5 rows selected.

Statement 3

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```sql
create table Department(
    DID NUMBER(10) PRIMARY KEY,
    DNAME VARCHAR2(80) NOT NULL
)
```

Table created.

Statement 4

✏ ▷ 🗑

```sql
desc DEPARTEMENT
```

ORA-20001: object DEPARTEMENT does not exist

More Details: https://docs.oracle.com/error-help/db/ora-20001

Statement **5**

```
INSERT INTO Arsh_Student (Student_id, Student_name, Age, Adhar_no
VALUES (101, 'Ankit', 20, 12345678901234567890, 1)
```

1 row(s) inserted.

Statement **6**

```
INSERT INTO Arsh_Student(Roll_No, Student_name, Age, Adhar_no, D
```

ORA-00904: "ROLL_NO": invalid identifier

More Details: https://docs.oracle.com/error-help/db/ora-00904

Statement **7**

```
select * from Arsh_Student
```

STUDENT_ID	STUDENT_NAME	AGE	ADHAR_NO	DEPT_
101	Ankit	20	12345678901234567890	1

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Statement **8**

```
INSERT INTO Department (DID, DNAME) VALUES (1, 'Computer Science
```

1 row(s) inserted.

Statement **9**

```
INSERT INTO Department (DID, DNAME) VALUES (2, 'Mechanical Engine
```

1 row(s) inserted.

Statement **10**

```
select * from Department
```

DID	DNAME
1	Computer Science
2	Mechanical Engineering

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2 rows selected.

Statement **11**

```
ALTER TABLE Arsh_Student RENAME COLUMN Student_id TO Roll_No
```

Table altered.

Statement **12**

```
desc Arsh_Student
```

TABLE ARSH_STUDENT

Column	Null?	Type
ROLL_NO	NOT NULL	NUMBER(10,0)
STUDENT_NAME	NOT NULL	VARCHAR2(80)
AGE	NOT NULL	NUMBER(10,0)
ADHAR_NO	–	NUMBER(20,0)
DEPT_ID	–	NUMBER(10,0)

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5 rows selected.

Statement **13**

```
ALTER TABLE Arsh_Student ADD class_teacher VARCHAR2(100)
```

Table altered.

Statement **14**

```
desc Arsh_Student
```

TABLE ARSH_STUDENT

Column	Null?	Type
ROLL_NO	NOT NULL	NUMBER(10,0)
STUDENT_NAME	NOT NULL	VARCHAR2(80)
AGE	NOT NULL	NUMBER(10,0)
ADHAR_NO	–	NUMBER(20,0)
DEPT_ID	–	NUMBER(10,0)
CLASS_TEACHER	–	VARCHAR2(100)

Download CSV

6 rows selected.

Statement **15**

```
ALTER TABLE Arsh_Student RENAME TO Students
```

Table altered.

Statement **16**

```
desc Students
```

TABLE STUDENTS

Column	Null?	Type
ROLL_NO	NOT NULL	NUMBER(10,0)
STUDENT_NAME	NOT NULL	VARCHAR2(80)
AGE	NOT NULL	NUMBER(10,0)
ADHAR_NO	–	NUMBER(20,0)
DEPT_ID	–	NUMBER(10,0)
CLASS_TEACHER	–	VARCHAR2(100)

Download CSV

6 rows selected.

Statement **17**

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```
DELETE FROM Department WHERE DID = 1
```

1 row(s) deleted.

Statement **18**

✏ ▷ 🗑

```
SELECT * FROM Students WHERE Dept_id IS NULL
```

no data found

Statement **19**

✏ ▷ 🗑

```
update Students set Adhar_no=null
```

1 row(s) updated.

Statement **20**

✏ ▷ 🗑

```
ALTER TABLE Students MODIFY Adhar_no VARCHAR2(20)
```

Table altered.

Statement **21**

✏ ▷ 🗑

```
update Students set Adhar_no=null
```

1 row(s) updated.

Statement **22**

✏ ▷ 🗑

```
ALTER TABLE Students MODIFY Adhar_no VARCHAR2(20) NOT NULL
```

ORA-02296: cannot enable (SQL_GUANRKEPAJBKISXSYPZQWICCX.) – null

More Details: https://docs.oracle.com/error-help/db/ora-02296

Statement **23**

```
desc Students
```

TABLE STUDENTS

Column	Null?	Type
ROLL_NO	NOT NULL	NUMBER(10,0)
STUDENT_NAME	NOT NULL	VARCHAR2(80)
AGE	NOT NULL	NUMBER(10,0)
ADHAR_NO	–	VARCHAR2(20)
DEPT_ID	–	NUMBER(10,0)
CLASS_TEACHER	–	VARCHAR2(100)

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6 rows selected.

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