

1. How to create a table in SQL?

The screenshot shows the Oracle Database Express Edition interface. The user is SCOTT. The SQL Commands window is active, displaying the following SQL statement:

```
CREATE TABLE STUDENTS(  
  NAME VARCHAR(255),  
  ID VARCHAR(255),  
  CGPA INT,  
  DEPT VARCHAR(255),  
  DOB VARCHAR(255)  
);
```

The statement has been executed successfully, resulting in the message: "Table created." The execution time was 0.13 seconds. The interface also shows tabs for Results, Explain, Describe, Saved SQL, and History.

2. How check the object type of a table?

The screenshot shows the Oracle Database Express Edition interface. The user is SCOTT. The SQL Commands window is active, displaying the following SQL statement:

```
DESC STUDENTS;
```

The statement has been executed successfully, resulting in the message: "Table created." The execution time was 0.13 seconds. The interface also shows tabs for Results, Explain, Describe, Saved SQL, and History.

Object Type: TABLE Object: STUDENTS

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
STUDENTS	NAME	Varchar2	255	-	-	-	✓	-	-
	ID	Varchar2	255	-	-	-	✓	-	-
	CGPA	Number	-	-	0	-	✓	-	-
	DEPT	Varchar2	255	-	-	-	✓	-	-
	DOB	Varchar2	255	-	-	-	✓	-	-

3. How to insert values into a table?

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the following text:

```
INSERT INTO STUDENTS (NAME, ID, CGPA, DEPT, DOB)
VALUES ('RAFIUL', '22-47048-1', 0, 'CSE', '15.08.2000');
```

Below the command window, the results section displays:

1 row(s) inserted.

0.03 seconds

The interface also shows the user is SCOTT, the language is en-us, and the application is Oracle Database Express Edition 2.1.0.0.39.

4. How to select all columns from a table?

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the following text:

```
SELECT * FROM STUDENTS
```

Below the command window, the results section displays a table with 6 rows:

NAME	ID	CGPA	DEPT	DOB
DIKSIT	22-47033-1	0	CSE	22.12.2001
RAFIUL	22-47048-1	0	CSE	15.08.2000
TOUKI	22-46091-1	0	CSE	11.02.2002
NAIM	22-46122-1	0	EEE	01.02.2001
YASER	22-47011-1	0	EEE	19.12.2002

6 rows returned in 0.00 seconds

The interface also shows the user is SCOTT, the language is en-us, and the application is Oracle Database Express Edition 2.1.0.0.39.

5. How to select only one column from a table?

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the query: `SELECT NAME
FROM STUDENTS`. The Results window displays the following data:

NAME
DIKSIT
RAFIUL
TOUKI
NAIM
YASER
LOPA

6 rows returned in 0.00 seconds

6. How to select specific columns from a table?

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the query: `SELECT NAME, DOB
FROM STUDENTS`. The Results window displays the following data:

NAME	DOB
DIKSIT	22.12.2001
RAFIUL	15.08.2000
TOUKI	11.02.2002
NAIM	01.02.2001
YASER	19.12.2002
LOPA	29.10.2003

6 rows returned in 0.01 seconds

7. How to use an arithmetic operator?

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the following query:

```
SELECT NAME, CGPA+4  
FROM STUDENTS;
```

The query has been executed, and the results are displayed in a table:

NAME	CGPA+4
DIKSIT	4
RAFIUL	4
TOLKI	4
NAIM	4
YASER	4
LOPA	4

6 rows returned in 0.00 seconds. A CSV Export link is available.

8. How to use column aliases?

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the following query:

```
SELECT NAME, ID AS "ST-ID"  
FROM STUDENTS;
```

The query has been executed, and the results are displayed in a table:

NAME	ST-ID
DIKSIT	22-47033-1
RAFIUL	22-47048-1
TOLKI	22-46091-1
NAIM	22-46122-1
YASER	22-47011-1
LOPA	22-47099-1

6 rows returned in 0.00 seconds. A CSV Export link is available.

9. How to use the concatenation operator?

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the following query:

```
SELECT NAME || ' ' || 'BORN' || ' ' || 'IN' || ' ' || DOB AS "ST_DETAILS"  
FROM STUDENTS;
```

The Results window displays the output of the query:

ST_DETAILS
DIKSIT BORN IN 22.12.2001
RAFIUL BORN IN 15.08.2000
TOUKI BORN IN 11.02.2002
NAIM BORN IN 01.02.2001
YASER BORN IN 19.12.2002
LOPA BORN IN 29.10.2003

6 rows returned in 0.00 seconds

10. How to eliminate duplicate rows?

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the following query:

```
SELECT DISTINCT ID  
FROM STUDENTS;
```

The Results window displays the output of the query:

ID
22-47011-1
22-46122-1
22-47009-1
22-47033-1
22-47048-1
22-46091-1

6 rows returned in 0.00 seconds