

DATA BASE LAB-04

Create a table (Command):

SQL>>

```
CREATE TABLE Student(  
    student_id VARCHAR(20),  
    student_name VARCHAR(30),  
    marks NUMBER,  
    grade VARCHAR(2)  
);
```

The screenshot displays the Oracle Database Express Edition web interface. The browser address bar shows the URL: 127.0.0.1:8080/apex/f?p=4500:1001:4420629339825168::NO::. The user is logged in as SCOTT. The main content area shows the 'STUDENT' table structure with the following columns:

Column Name	Data Type	Nullable	Default	Primary Key
STUDENT_ID	VARCHAR2(20)	Yes	-	-
STUDENT_NAME	VARCHAR2(30)	Yes	-	-
MARKS	NUMBER	Yes	-	-
GRADE	VARCHAR2(2)	Yes	-	-

The interface also includes a left-hand navigation pane with a list of tables: BONUS, DEPT, EMP, HTMLDB_PLAN_TABLE, PERSONS, SALGRADE, and STUDENT (which is currently selected). The top of the interface shows the 'STUDENT' table name and a 'Create' button. The bottom status bar indicates the application version (2.1.0.0.39) and copyright information (© 1999, 2006, Oracle. All rights reserved.). The Windows taskbar at the very bottom shows the system clock as 9:24 AM on 6/25/2023.

How to insert data in SQL table(Command):

SQL>>

```
INSERT INTO STUDENT(STUDENT_ID,STUDENT_NAME,MARKS,GRADE)
VALUES('GA-001','Jhon','285','A');
```

The screenshot displays the Oracle Database Express Edition interface. The left sidebar shows a list of tables, with 'STUDENT' selected. The main area shows the 'STUDENT' table with columns: STUDENT_ID, STUDENT_NAME, MARKS, and GRADE. The table contains 10 rows of data. The bottom status bar shows the system time as 9:36 AM on 6/25/2023.

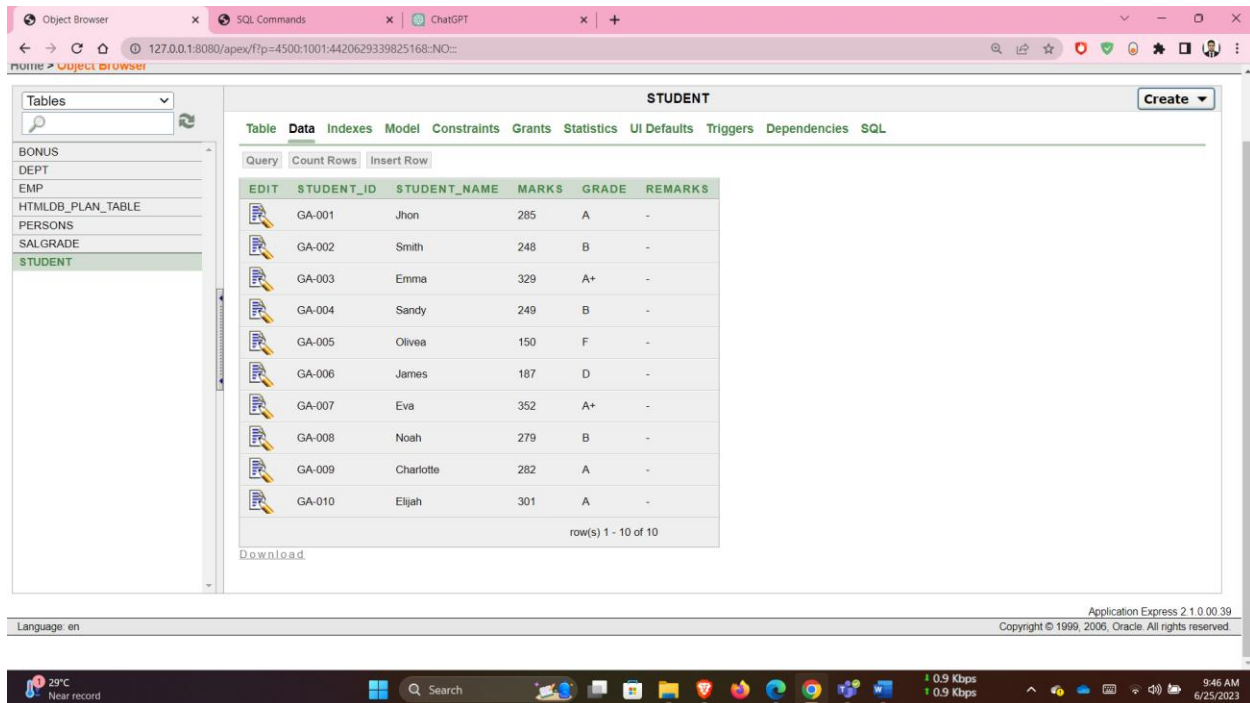
Table	Data	Indexes	Model	Constraints	Grants	Statistics	UI Defaults	Triggers	Dependencies	SQL
Query	Count Rows	Insert Row								
EDIT	STUDENT_ID	STUDENT_NAME	MARKS	GRADE						
	GA-001	Jhon	285	A						
	GA-002	Smith	248	B						
	GA-003	Emma	329	A+						
	GA-004	Sandy	249	B						
	GA-005	Olivea	150	F						
	GA-006	James	187	D						
	GA-007	Eva	352	A+						
	GA-008	Noah	279	B						
	GA-009	Charlotte	282	A						
	GA-010	Elijah	301	A						
	row(s) 1 - 10 of 10									

How to add a column "REMARKS" (Command):

SQL>>

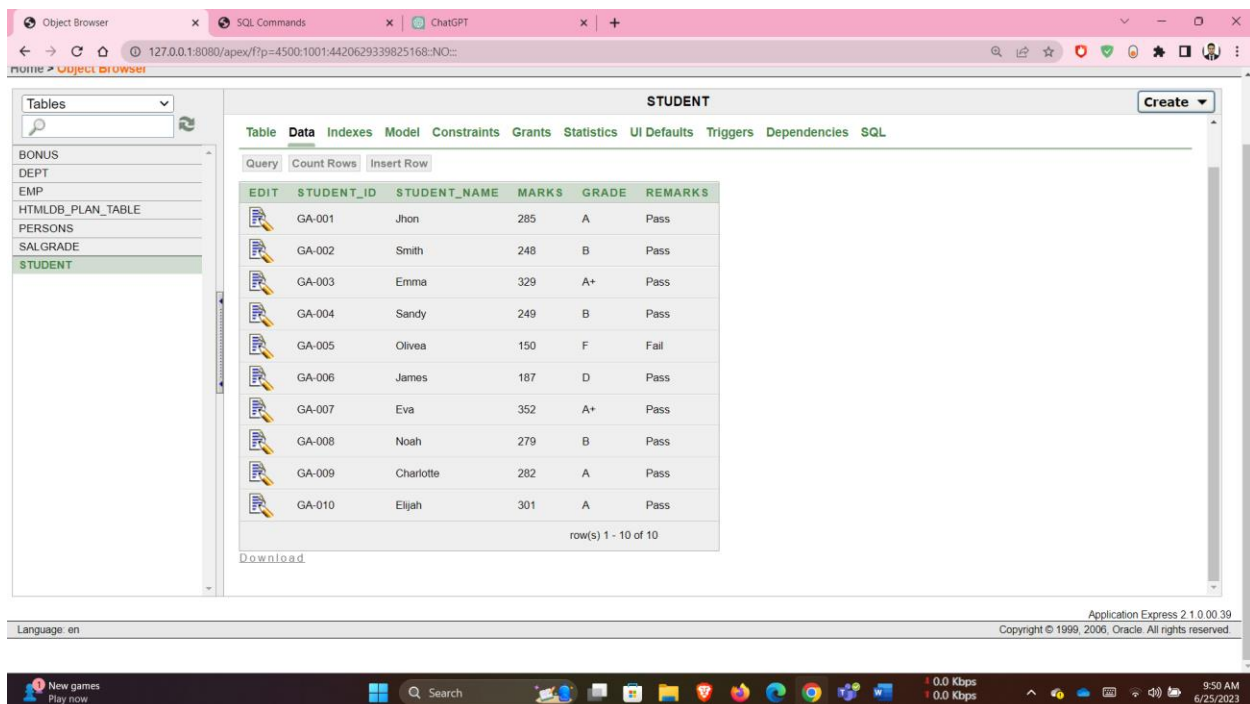
ALTER TABLE STUDENT

ADD remarks VARCHAR(20);



The screenshot shows the Oracle APEX interface with the 'STUDENT' table selected. The table has columns: STUDENT_ID, STUDENT_NAME, MARKS, GRADE, and REMARKS. The REMARKS column is currently empty for all rows.

EDIT	STUDENT_ID	STUDENT_NAME	MARKS	GRADE	REMARKS
	GA-001	Jhon	285	A	-
	GA-002	Smith	248	B	-
	GA-003	Emma	329	A+	-
	GA-004	Sandy	249	B	-
	GA-005	Olivea	150	F	-
	GA-006	James	187	D	-
	GA-007	Eva	352	A+	-
	GA-008	Noah	279	B	-
	GA-009	Charlotte	282	A	-
	GA-010	Elijah	301	A	-



The screenshot shows the Oracle APEX interface with the 'STUDENT' table selected. The table now has a 'REMARKS' column populated with 'Pass' or 'Fail' for each row.

EDIT	STUDENT_ID	STUDENT_NAME	MARKS	GRADE	REMARKS
	GA-001	Jhon	285	A	Pass
	GA-002	Smith	248	B	Pass
	GA-003	Emma	329	A+	Pass
	GA-004	Sandy	249	B	Pass
	GA-005	Olivea	150	F	Fail
	GA-006	James	187	D	Pass
	GA-007	Eva	352	A+	Pass
	GA-008	Noah	279	B	Pass
	GA-009	Charlotte	282	A	Pass
	GA-010	Elijah	301	A	Pass