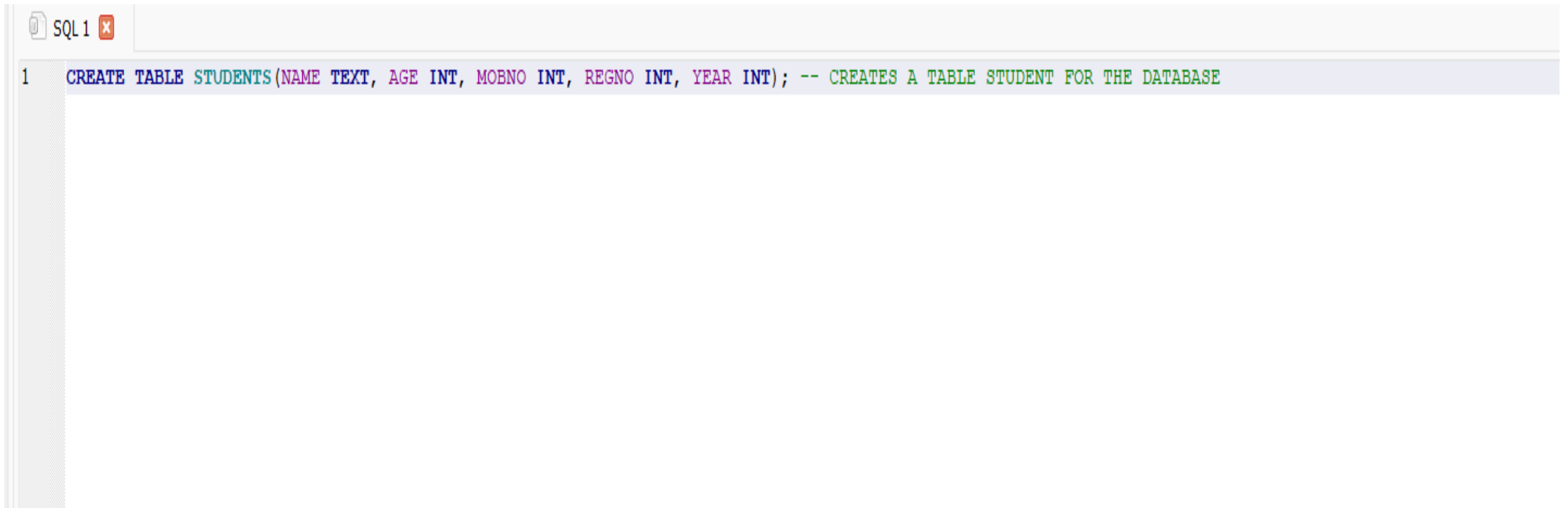


HUAWEI INTERNSHIP PHASE 1 ASSIGNMENT DATABASE SQL

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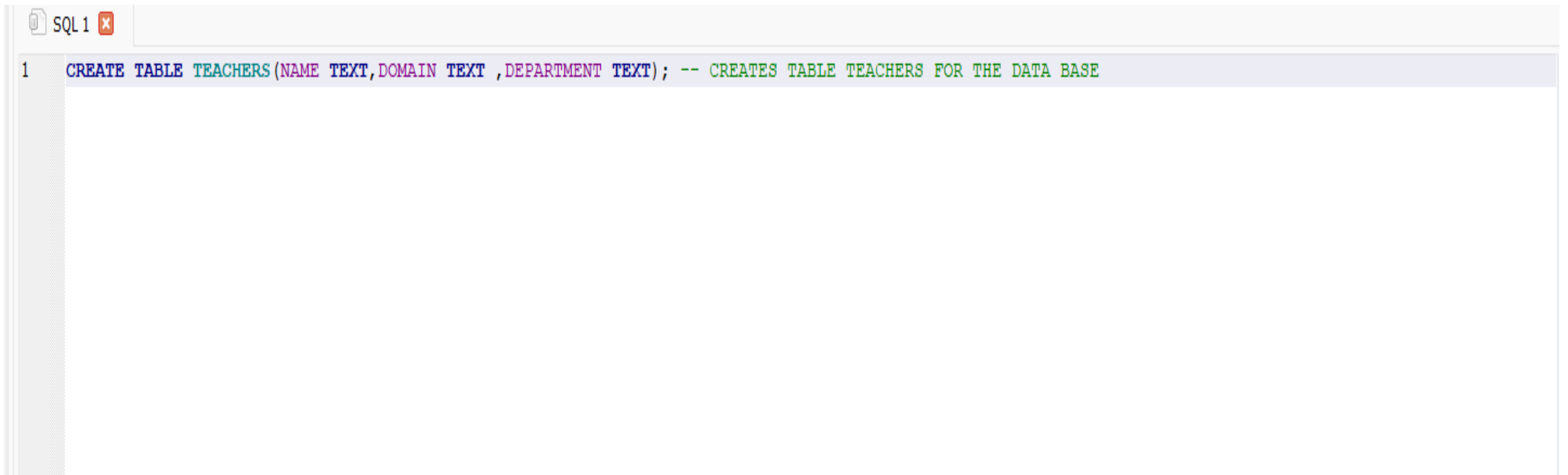
A query to create a table STUDENT in the data base



The image shows a screenshot of an SQL editor window. The window has a title bar with a document icon, the text 'SQL 1', and a close button. The main area of the window contains a single line of SQL code: 'CREATE TABLE STUDENTS(NAME TEXT, AGE INT, MOBNO INT, REGNO INT, YEAR INT); -- CREATES A TABLE STUDENT FOR THE DATABASE'. The code is color-coded: 'CREATE' is blue, 'TABLE' is blue, 'STUDENTS' is blue, 'NAME' is purple, 'TEXT' is purple, 'AGE' is purple, 'INT' is purple, 'MOBNO' is purple, 'INT' is purple, 'REGNO' is purple, 'INT' is purple, 'YEAR' is purple, 'INT' is purple, and the comment '-- CREATES A TABLE STUDENT FOR THE DATABASE' is green. A line number '1' is visible on the left side of the code.

```
1 CREATE TABLE STUDENTS(NAME TEXT, AGE INT, MOBNO INT, REGNO INT, YEAR INT); -- CREATES A TABLE STUDENT FOR THE DATABASE
```

A query to create a table TEACHERS in the data base

A screenshot of an SQL editor window. The window has a title bar with a document icon, the text 'SQL 1', and a red close button. The main area contains a single line of SQL code: '1 CREATE TABLE TEACHERS (NAME TEXT, DOMAIN TEXT , DEPARTMENT TEXT); -- CREATES TABLE TEACHERS FOR THE DATA BASE'. The code is color-coded: 'CREATE' is blue, 'TABLE' is blue, 'TEACHERS' is blue, 'NAME' is magenta, 'TEXT' is magenta, 'DOMAIN' is magenta, 'TEXT' is magenta, 'DEPARTMENT' is magenta, 'TEXT' is magenta, and the comment '-- CREATES TABLE TEACHERS FOR THE DATA BASE' is green. A vertical line is on the left side of the editor area, and a horizontal line is below the first line of code.

```
1 CREATE TABLE TEACHERS (NAME TEXT, DOMAIN TEXT , DEPARTMENT TEXT); -- CREATES TABLE TEACHERS FOR THE DATA BASE
```

A query to insert 10 different records into the table STUDENTS

SQL 1

```
1  INSERT INTO STUDENTS (NAME , AGE, MOBNO, REGNO, YEAR) VALUES ("ASHWATH", 19,8098339571, 711720243009, 2020);
2  INSERT INTO STUDENTS (NAME , AGE, MOBNO, REGNO, YEAR) VALUES ("GOWTHAM", 20,8056339571, 711720243119, 2021);
3  INSERT INTO STUDENTS (NAME , AGE, MOBNO, REGNO, YEAR) VALUES ("HARISHH", 24,9898339571, 711720113009, 2022);
4  INSERT INTO STUDENTS (NAME , AGE, MOBNO, REGNO, YEAR) VALUES ("KRISHH", 21,8036339571, 711720043009, 2024);
5  INSERT INTO STUDENTS (NAME , AGE, MOBNO, REGNO, YEAR) VALUES ("VIKRANTH", 22,8051339571, 712220243009, 2021);
6  INSERT INTO STUDENTS (NAME , AGE, MOBNO, REGNO, YEAR) VALUES ("JHON", 25,9798339571, 711720443009, 2019);
7  INSERT INTO STUDENTS (NAME , AGE, MOBNO, REGNO, YEAR) VALUES ("ADAM", 19,8098330071, 711990243009, 2016);
8  INSERT INTO STUDENTS (NAME , AGE, MOBNO, REGNO, YEAR) VALUES ("VICTOR", 23,8008339571, 711720246609, 2017);
9  INSERT INTO STUDENTS (NAME , AGE, MOBNO, REGNO, YEAR) VALUES ("BEN", 21,8908339571, 711720243077, 2020);
10 INSERT INTO STUDENTS (NAME , AGE, MOBNO, REGNO, YEAR) VALUES ("ANDREW", 20,8098330071, 799720243009, 2014);
```

Table after inserting the 10 different records

	NAME	AGE	MOBNO	REGNO	YEAR
1	ASHWATH	19	8098339571	711720243009	2020
2	GOWTHAM	20	8056339571	711720243119	2021
3	HARISHH	24	9898339571	711720113009	2022
4	KRISHH	21	8036339571	711720043009	2024
5	VIKRANTH	22	8051339571	712220243009	2021
6	JHON	25	9798339571	711720443009	2019
7	ADAM	19	8098330071	711990243009	2016
8	VICTOR	23	8008339571	711720246609	2017
9	BEN	21	8908339571	711720243077	2020
10	ANDREW	20	8098330071	799720243009	2014

```
Execution finished without errors.  
Result: 10 rows returned in 6ms  
At line 1:  
SELECT * FROM STUDENTS;
```

A query to insert 10 different records into the table Teachers

SQL 1

```
1 INSERT INTO TEACHERS (NAME , DOMAIN, DEPARTMENT) VALUES ("SEETHA", "PYTHON", "CS");
2 INSERT INTO TEACHERS (NAME , DOMAIN, DEPARTMENT) VALUES ("VEENA", "PHYSICS", "SCI");
3 INSERT INTO TEACHERS (NAME , DOMAIN, DEPARTMENT) VALUES ("RAJAN", "CHEMISTRY", "SCI");
4 INSERT INTO TEACHERS (NAME , DOMAIN, DEPARTMENT) VALUES ("VIMAL", "JAVA", "CS");
5 INSERT INTO TEACHERS (NAME , DOMAIN, DEPARTMENT) VALUES ("RAM", "LITRETURE", "ENG");
6 INSERT INTO TEACHERS (NAME , DOMAIN, DEPARTMENT) VALUES ("VINOTH", "BIOLOGY", "SCI");
7 INSERT INTO TEACHERS (NAME , DOMAIN, DEPARTMENT) VALUES ("KRIS", "C++", "CS");
8 INSERT INTO TEACHERS (NAME , DOMAIN, DEPARTMENT) VALUES ("DEV", "CALCULUS", "MATHS");
9 INSERT INTO TEACHERS (NAME , DOMAIN, DEPARTMENT) VALUES ("DAVID", "POETRY", "ENG");
10 INSERT INTO TEACHERS (NAME , DOMAIN, DEPARTMENT) VALUES ("SURESH", "TRIGONOMETRY", "MATHS");
```

Table after inserting the 10 different records

	NAME	DOMAIN	DEPARTMENT
1	SEETHA	PYTHON	CS
2	VEENA	PHYSICS	SCI
3	RAJAN	CHEMISTRY	SCI
4	VIAML	JAVA	CS
5	RAM	LITRETURE	ENG
6	VINOTH	BIOLOGY	SCI
7	KRIS	C++	CS
8	DEV	CALCULUS	MATHS
9	DAVID	POETRY	ENG
10	SURESH	TRIGONOMETRY	MATHS

```
Execution finished without errors.  
Result: 10 rows returned in 4ms  
At line 1:  
SELECT * FROM TEACHERS;
```

Displaying all the students from STUDENTS where batch is 2020

SQL 1

```
1 SELECT * FROM STUDENTS WHERE YEAR = 2020;  
2 -- FETCHING THE DATA FROM TABLE STUDENT WHERE BATCH IS 2020
```

	NAME	AGE	MOBNO	REGNO	YEAR
1	ASHWATH	19	8098339571	711720243009	2020
2	BEN	21	8908339571	711720243077	2020

Displaying all the students from STUDENTS where batch is 2020

SQL 1	
1	SELECT NAME FROM STUDENTS WHERE YEAR = 2020;
2	-- FETCHING THE DATA FROM TABLE STUDENT WHERE BATCH IS 2020
	NAME
1	ASHWATH
2	BEN

Displaying all the teachers from TEACHERS where department is cs

SQL 1			
1	SELECT * FROM TEACHERS WHERE DEPARTMENT = "CS";		
2	-- FETCHING THE DATA FROM TABLE TEACHERS WHERE DEPARTMENT IS CS		
	NAME	DOMAIN	DEPARTMENT
1	SEETHA	PYTHON	CS
2	VIAML	JAVA	CS
3	KRIS	C++	CS

Displaying all the teachers from TEACHERS where department is cs

SQL 1	
1	SELECT NAME FROM TEACHERS WHERE DEPARTMENT = "CS";
2	-- FETCHING THE DATA FROM TABLE TEACHERS WHERE DEPARTMENT IS CS
	NAME
1	SEETHA
2	VIAML
3	KRIS

Editing three records from the table STUDENT

SQL 1 ✕

```
1 UPDATE STUDENTS SET YEAR = "2012" WHERE AGE = 25;
2 UPDATE STUDENTS SET NAME = "RAGHAV" WHERE AGE = 24;
3 UPDATE STUDENTS SET REGNO = 7117520545059 WHERE NAME = "ADAM";
4 SELECT * FROM STUDENTS;
```

	NAME	AGE	MOBNO	REGNO	YEAR
1	ASHWATH	19	8098339571	711720243009	2020
2	GOWTHAM	20	8056339571	711720243119	2021
3	RAGHAV	24	9898339571	711720113009	2022
4	KRISHH	21	8036339571	711720043009	2024
5	VIKRANTH	22	8051339571	712220243009	2021
6	JHON	25	9798339571	711720443009	2012
7	ADAM	19	8098330071	7117520545059	2016
8	VICTOR	23	8008339571	711720246609	2017
9	BEN	21	8908339571	711720243077	2020
10	ANDREW	20	8098330071	799720243009	2014

Execution finished without errors.
Result: 10 rows returned in 9ms
At line 1:
--UPDATE STUDENTS SET YEAR = "2012" WHERE AGE = 25;
--UPDATE STUDENTS SET NAME = "RAGHAV" WHERE AGE = 24;
--UPDATE STUDENTS SET REGNO = 7117520545059 WHERE NAME = "ADAM";
SELECT * FROM STUDENTS;

Deleting two records from the table TEACHERS

SQL 1

```
1 DELETE FROM TEACHERS WHERE DEPARTMENT = "ENG";  
2 SELECT * FROM TEACHERS;
```

	NAME	DOMAIN	DEPARTMENT
1	SEETHA	PYTHON	CS
2	VEENA	PHYSICS	SCI
3	RAJAN	CHEMISTRY	SCI
4	VIAML	JAVA	CS
5	VINOTH	BIOLOGY	SCI
6	KRIS	C++	CS
7	DEV	CALCULUS	MATHS
8	SURESH	TRIGONOMETRY	MATHS

Execution finished without errors.
Result: 8 rows returned in 5ms
At line 2:
SELECT * FROM TEACHERS;