

# Application Software Development Lab (ASDL)

Github : [ceccs18c59/cs331:Application Software Development Lab \(github.com\)](https://github.com/ceccs18c59/cs331:Application%20Software%20Development%20Lab)

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## Experiment 1

### SQL Query

```
USE cs333;

-- Creating a table named "student"
CREATE TABLE student
(
    sno INT NOT NULL,
    name VARCHAR(25) NOT NULL,
    dept VARCHAR(25) NOT NULL,
    mark INT NOT NULL,
    PRIMARY KEY(sno)
);

-- Added a column "age" to student
ALTER TABLE student
ADD age INT;

-- Inserting first row into TABLE
INSERT INTO student
(sno,name,dept,mark,age)
VALUES
(59, 'Thejus R', 'CS', 76, 21);

-- Display all from TABLE
SELECT *
FROM student;

-- Changing the datatype of a Column
ALTER TABLE student ALTER COLUMN dept varchar(50);

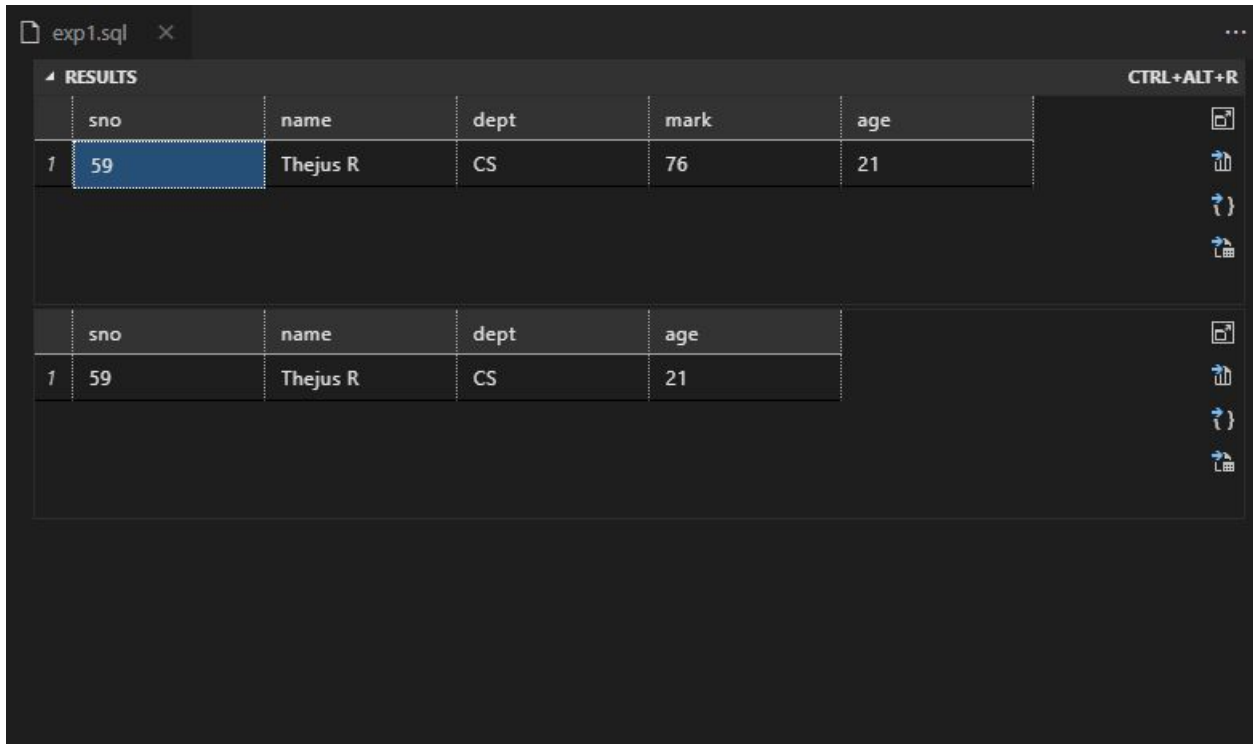
-- Dropping a column
ALTER TABLE student DROP COLUMN mark;

-- Display all from TABLE
SELECT *
FROM student;
```

```
-- Renaming the TABLE
EXEC sp_rename 'student','students';

-- Dropping a TABLE
DROP TABLE students;
```

## Result



The screenshot shows a SQL IDE window titled 'exp1.sql'. The 'RESULTS' pane displays two tables. The first table has columns 'sno', 'name', 'dept', 'mark', and 'age', with one row containing '59', 'Thejus R', 'CS', '76', and '21'. The second table has columns 'sno', 'name', 'dept', and 'age', with one row containing '59', 'Thejus R', 'CS', and '21'. Both tables have a '1' in the first column. The IDE interface includes a toolbar with icons for copy, paste, and other actions, and a 'CTRL+ALT+R' shortcut indicator.

	sno	name	dept	mark	age
1	59	Thejus R	CS	76	21

	sno	name	dept	age
1	59	Thejus R	CS	21