

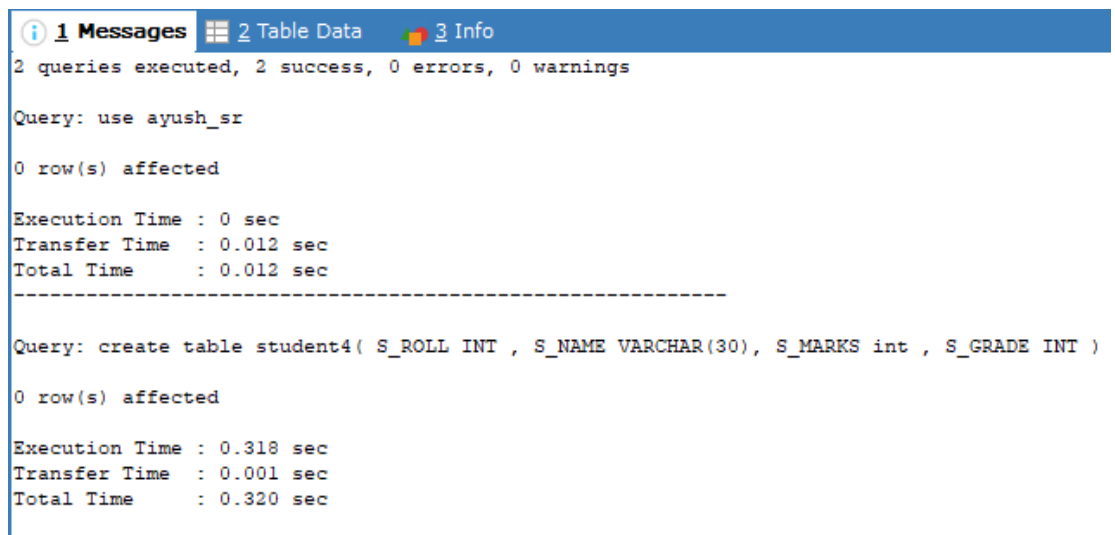
### LAB 3 :

1. Create task student on sql

Source code:

```
USE ayush_sr;  
CREATE TABLE student4(  
S_ROLL INT ,  
S_NAME VARCHAR(30),  
S_MARKS INT ,  
S_GRADE INT  
);
```

Output:



```
1 Messages 2 Table Data 3 Info  
2 queries executed, 2 success, 0 errors, 0 warnings  
  
Query: use ayush_sr  
  
0 row(s) affected  
  
Execution Time : 0 sec  
Transfer Time  : 0.012 sec  
Total Time     : 0.012 sec  
-----  
  
Query: create table student4( S_ROLL INT , S_NAME VARCHAR(30), S_MARKS int , S_GRADE INT )  
  
0 row(s) affected  
  
Execution Time : 0.318 sec  
Transfer Time  : 0.001 sec  
Total Time     : 0.320 sec
```

INSERT INTO student4 VALUES

(1, 'Aarav Sharma', 95, 12),

(2, 'Sneha Koirala', 91, 12),

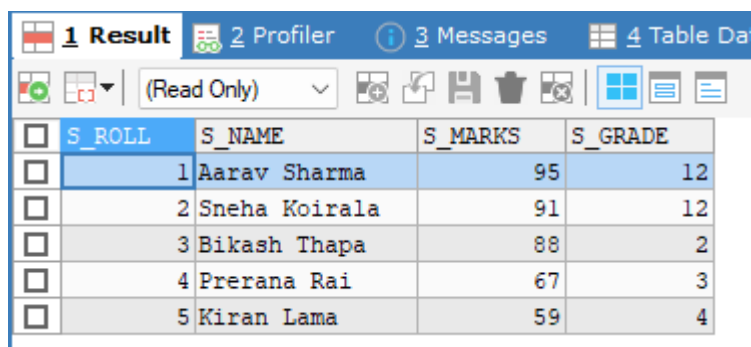
(3, 'Bikash Thapa', 88, 2),

(4, 'Prerana Rai', 67, 3),

(5, 'Kiran Lama', 59, 4);

SELECT \*FROM student4;

Output:



The screenshot shows a database application window with a tab labeled '1 Result'. Below the tab is a toolbar with icons for various actions and a dropdown menu set to '(Read Only)'. The main area displays a table with the following data:

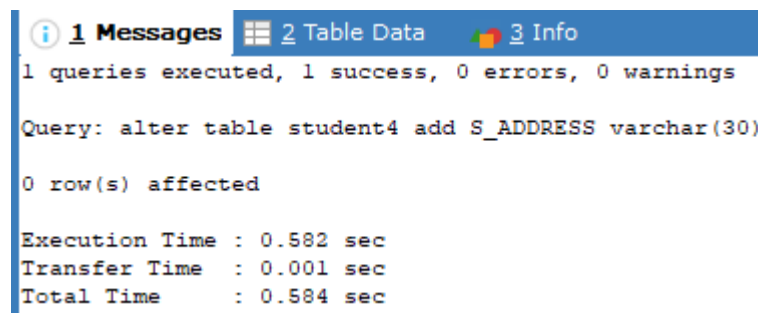
<input type="checkbox"/>	S_ROLL	S_NAME	S_MARKS	S_GRADE
<input type="checkbox"/>	1	Aarav Sharma	95	12
<input type="checkbox"/>	2	Sneha Koirala	91	12
<input type="checkbox"/>	3	Bikash Thapa	88	2
<input type="checkbox"/>	4	Prerana Rai	67	3
<input type="checkbox"/>	5	Kiran Lama	59	4

2. Add one column one existing table.

Source code:

```
ALTER TABLE student4 ADD S_ADDRESS VARCHAR(30);
```

Output :



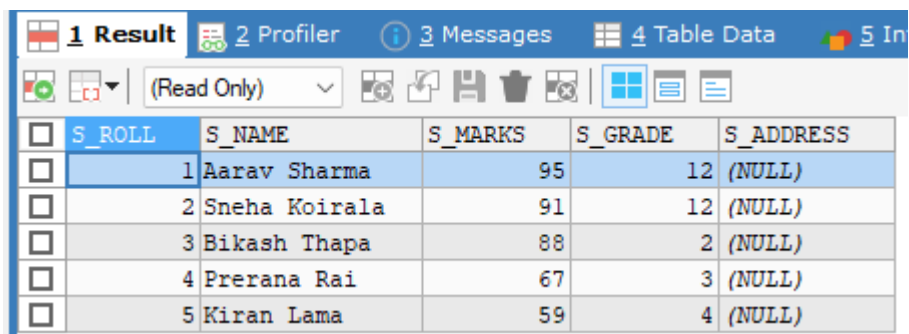
The screenshot shows a SQL Messages window with the following content:

```
1 Messages 2 Table Data 3 Info
1 queries executed, 1 success, 0 errors, 0 warnings

Query: alter table student4 add S_ADDRESS varchar(30)

0 row(s) affected

Execution Time : 0.582 sec
Transfer Time : 0.001 sec
Total Time : 0.584 sec
```



The screenshot shows a SQL Result window displaying the data in the student4 table. The table has five columns: S\_ROLL, S\_NAME, S\_MARKS, S\_GRADE, and S\_ADDRESS. The data is as follows:

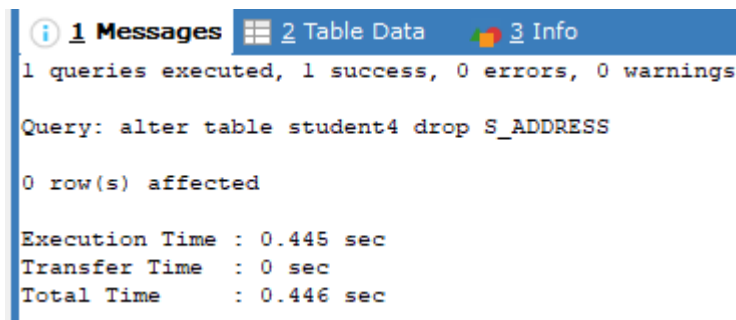
S_ROLL	S_NAME	S_MARKS	S_GRADE	S_ADDRESS
1	Aarav Sharma	95	12	(NULL)
2	Sneha Koirala	91	12	(NULL)
3	Bikash Thapa	88	2	(NULL)
4	Prerana Rai	67	3	(NULL)
5	Kiran Lama	59	4	(NULL)

3. Delete column from existing table.

Source code:

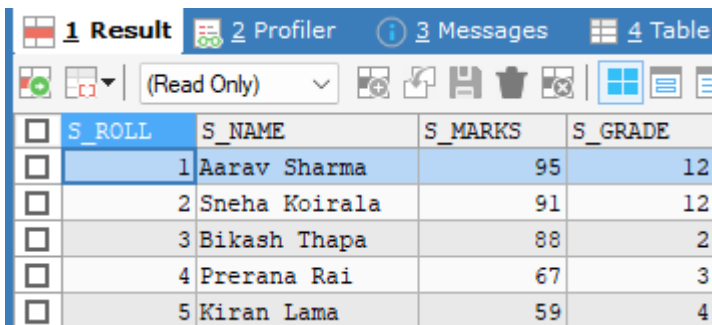
```
ALTER TABLE student4 DROP S_ADDRESS;
```

Output:



The screenshot shows a SQL Messages window with a blue header bar containing three tabs: '1 Messages' (active), '2 Table Data', and '3 Info'. The main area displays the following text:

```
1 queries executed, 1 success, 0 errors, 0 warnings  
  
Query: alter table student4 drop S_ADDRESS  
  
0 row(s) affected  
  
Execution Time : 0.445 sec  
Transfer Time : 0 sec  
Total Time : 0.446 sec
```



The screenshot shows a SQL Result window with a blue header bar containing four tabs: '1 Result' (active), '2 Profiler', '3 Messages', and '4 Table'. Below the header is a toolbar with icons for various actions. The main area displays a table with the following data:

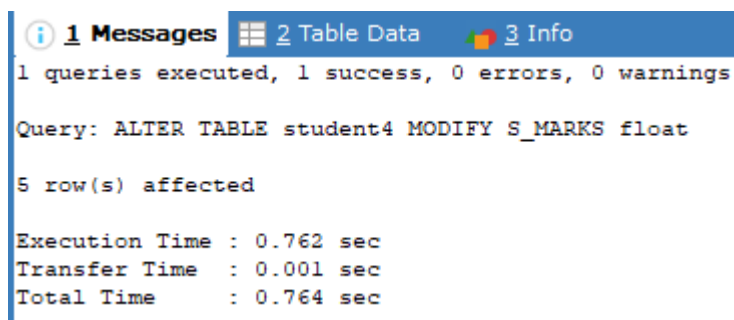
<input type="checkbox"/>	S_ROLL	S_NAME	S_MARKS	S_GRADE
<input type="checkbox"/>	1	Aarav Sharma	95	12
<input type="checkbox"/>	2	Sneha Koirala	91	12
<input type="checkbox"/>	3	Bikash Thapa	88	2
<input type="checkbox"/>	4	Prerana Rai	67	3
<input type="checkbox"/>	5	Kiran Lama	59	4

4. Change datatypes of existing column.

Source code:

```
ALTER TABLE student4 MODIFY S_MARKS FLOAT;
```

Output:



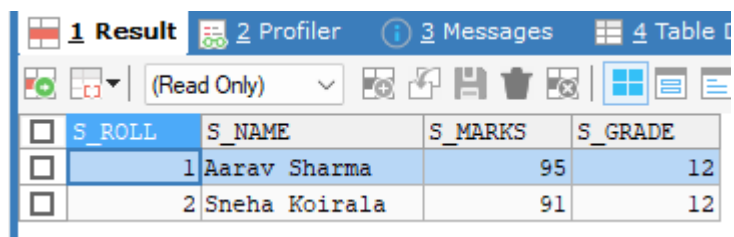
The screenshot shows a SQL execution window with a blue header bar containing three tabs: '1 Messages', '2 Table Data', and '3 Info'. The '1 Messages' tab is active, displaying the following text: '1 queries executed, 1 success, 0 errors, 0 warnings', 'Query: ALTER TABLE student4 MODIFY S\_MARKS float', '5 row(s) affected', 'Execution Time : 0.762 sec', 'Transfer Time : 0.001 sec', and 'Total Time : 0.764 sec'.

5. Display student records who read in grade 12 and marks above 90.

Source code:

```
SELECT *FROM student4 WHERE S_GRADE=12 AND S_MARKS>90;
```

Output:



The screenshot shows a SQL execution window with a blue header bar containing four tabs: '1 Result', '2 Profiler', '3 Messages', and '4 Table Data'. The '1 Result' tab is active, displaying a table of student records. The table has four columns: S\_ROLL, S\_NAME, S\_MARKS, and S\_GRADE. There are two rows of data.

S_ROLL	S_NAME	S_MARKS	S_GRADE
1	Aarav Sharma	95	12
2	Sneha Koirala	91	12