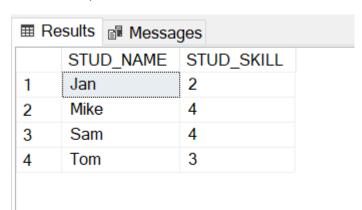# Split Text Data Into Multiple Rows

Problem: We are going to use cross apply join & one of the sql server string functions called string_split to split data into multiple rows.

Input Table:

	STUD_NAME	STUD_SKILL
1	Sam	ADF,ADB,SQL,Pythhon
2	Tom	Power BI,Excel,SQL
3	Mike	C#,Java,ADF,SQL
4	Jan	Java,Dot Net

Desired Output:

⊞ Results   🗗 Messages

	STUD_NAME	STUD_SKILL
1	Jan	2
2	Mike	4
3	Sam	4
4	Tom	3

```
Solution:
select
 STUD_NAME,
 count(value) as STUD_SKILL
from dbo.TBL_SKILLS
cross apply string_split(stud_skill,',')
group by stud_name
```

Table Creation script:

```sql
CREATE TABLE DBO.TBL_SKILLS
(
 STUD_NAME VARCHAR(50) NOT NULL,
 STUD_SKILL VARCHAR(255) NOT NULL
);
GO
INSERT INTO DBO.TBL_SKILLS(STUD_NAME,STUD_SKILL)VALUES
('Sam','ADF,ADB,SQL,Pythhon'),
('Tom','Power BI,Excel,SQL'),
('Mike','C#,Java,ADF,SQL'),
('Jan','Java,Dot Net');
GO
SELECT * FROM DBO.TBL_SKILLS;
GO
```