Day 7

Problem Statement:

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Reproduce the Table into given format below:

Output:

student_id	English	Science	Maths
1001	88	90	85
1002	70	80	83

Solution Code:

```
/*Create database ivy_sql_internship*/

create database ivy_sql_internship;


/*Using Ivy sql intership database*/

use ivy_sql_internship;


/*Creating table Marks_Data*/

create table Marks_Data

(student_id int, subjects varchar(100), marks int);


/*Adding value to the table*/

insert into Marks_Data (student_id, subjects, marks)

values

(1001,"English",88),(1001,"Science",90),(1001,"Maths",85),(1002,"English",70),(1002,"Science",80),(1002,"Maths",83);


/*Checking the dataset*/

select * from Marks_Data ;


/*Reproduce the Table into given format below:*/

select student_id,

max(case when subjects = "English" then marks else 0 end) as English,

max(case when subjects = "Science" then marks else 0 end) as Science,

max(case when subjects = "Maths" then marks else 0 end) as Maths

from Marks_Data

group by student_id;
```

Screenshot of the Code:


```sql
4   use ivy_sql_internship;
5   /*Creating table Marks_Data*/
6   create table Marks_Data
7   (student_id int, subjects varchar(100), marks int);
8   /*Adding value to the table*/
9   insert into Marks_Data (student_id, subjects, marks)
10  values
11  (1001,"English",88),(1001,"Science",90),(1001,"Maths",85),(1002,"English",70),(1002,"Science",80),(1002,"Maths",83);
12  /*Checking the dataset*/
13  select * from Marks_Data ;
14  /*Reproduce the Table into given format below:*/
15  select student_id,
16  max(case when subjects = "English" then marks else 0 end) as English,
17  max(case when subjects = "Science" then marks else 0 end) as Science,
18  max(case when subjects = "Maths" then marks else 0 end) as Maths
19  from Marks_Data
20  group by student_id
```

student_id	English	Science	Maths
1001	88	90	85
1002	70	80	83