

# Day 7

## Problem Statement:

Problem Statement:

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:

MySQL Workbench

IVY Practice

File Edit View Query Database Server Tools Scripting Help

Day\_7\_IVY\_Internship\_Rounak\_P

Limit to 50000 rows

SCHEMAS

Filter objects

book\_database

emp\_db

ipl

ivy\_sql\_internship

country\_details

customer

insurance

marks\_data

orders

sequence

Administration Schemas

Information

Schema:  
ivy\_sql\_internship

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

Result Grid

Filter Rows:

Export: Wrap Cell Content: i

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

Result 14

Read Only

Output