

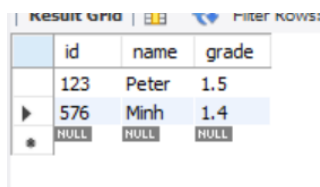
1) Use socket (TCP) to implement a synchronization method between two databases in ds.

In other words, implement a program to synchronize two tables db1.student and db2.student

For example

- Before synchronizing

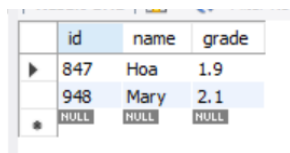
db1.student



A screenshot of a database result grid showing the contents of the db1.student table before synchronization. The grid has columns for id, name, and grade. The data is as follows:

id	name	grade
123	Peter	1.5
576	Minh	1.4
NULL	NULL	NULL

db2.student

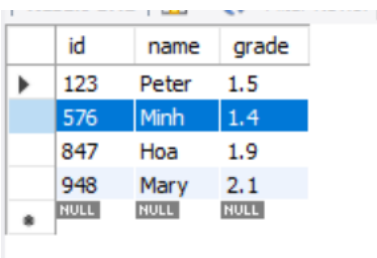


A screenshot of a database result grid showing the contents of the db2.student table before synchronization. The grid has columns for id, name, and grade. The data is as follows:

id	name	grade
847	Hoa	1.9
948	Mary	2.1
NULL	NULL	NULL

- After synchronizing

Both db1.student and db2.student



A screenshot of a database result grid showing the synchronized data for both db1.student and db2.student. The grid has columns for id, name, and grade. The data is as follows:

id	name	grade
123	Peter	1.5
576	Minh	1.4
847	Hoa	1.9
948	Mary	2.1
NULL	NULL	NULL

a) Assume there are no duplication

b) There are duplicated entries between the two tables