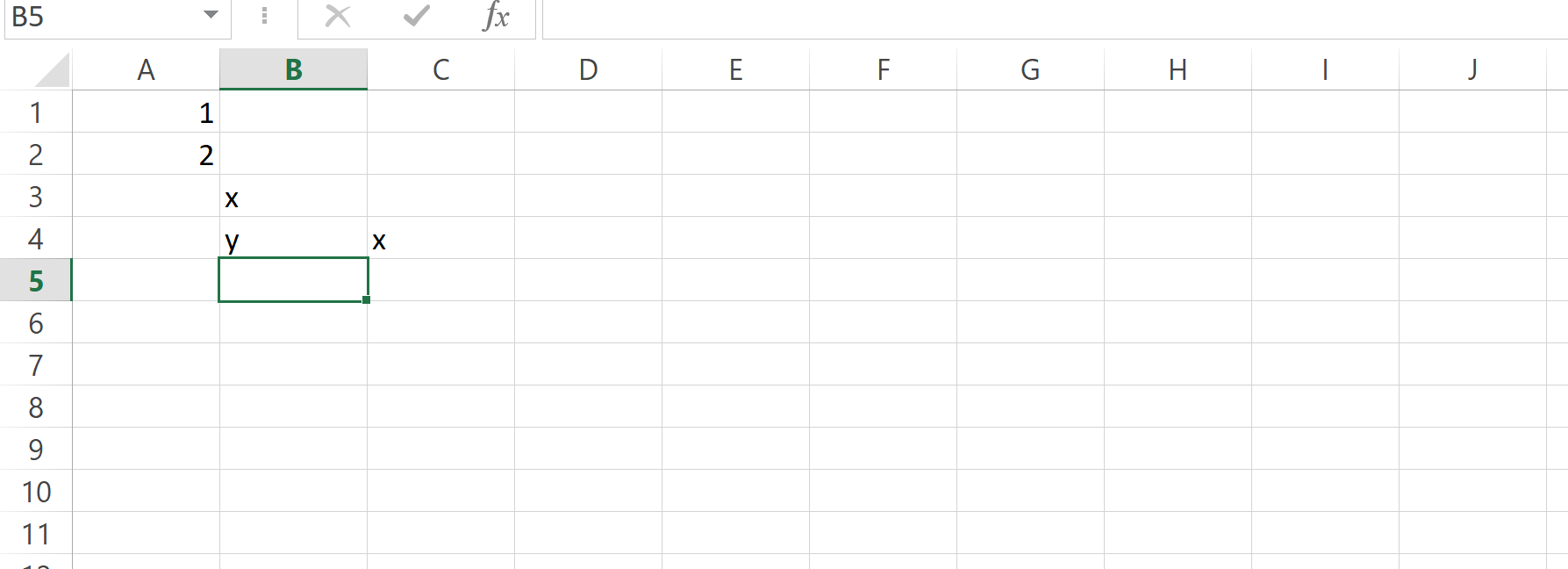
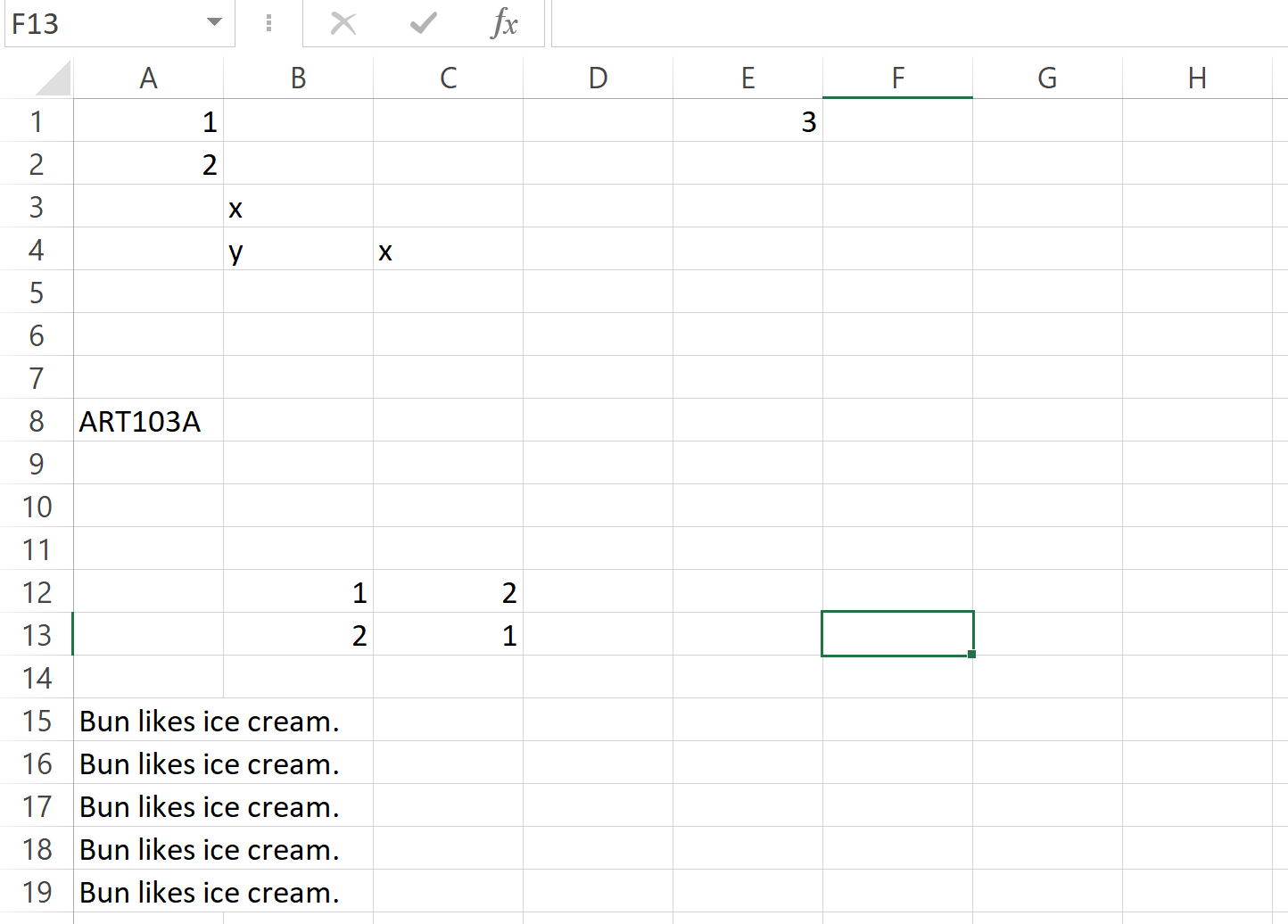
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Excel: table:

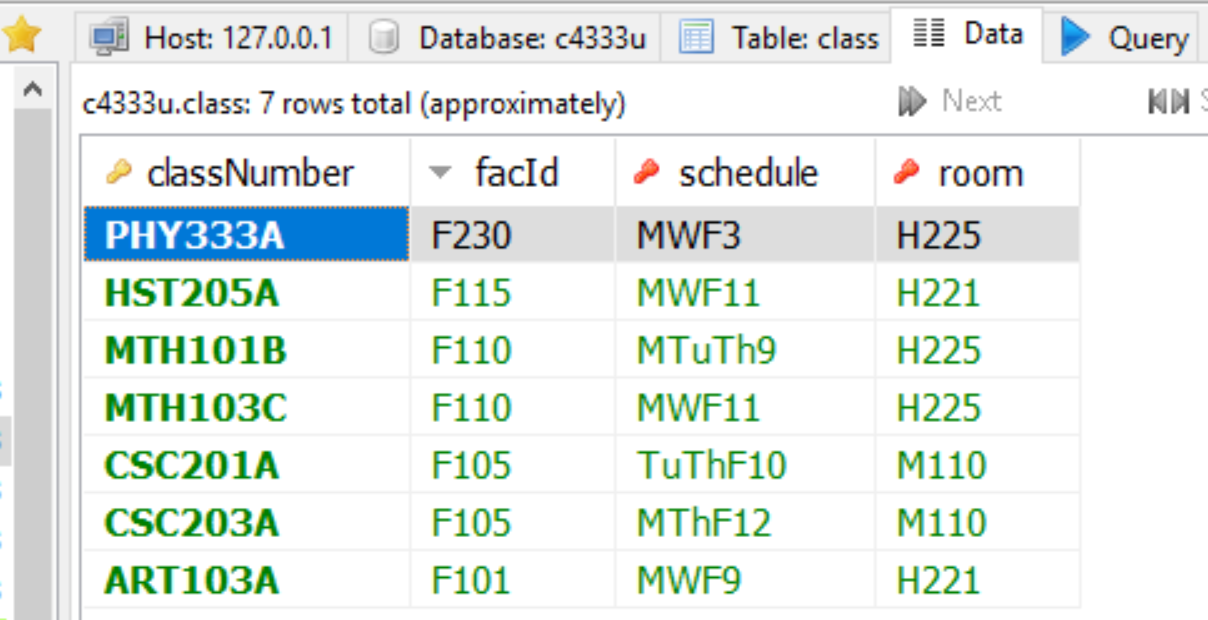
* no meta-data
* Table: 2 dimensional *array (ordered collection of elements)*

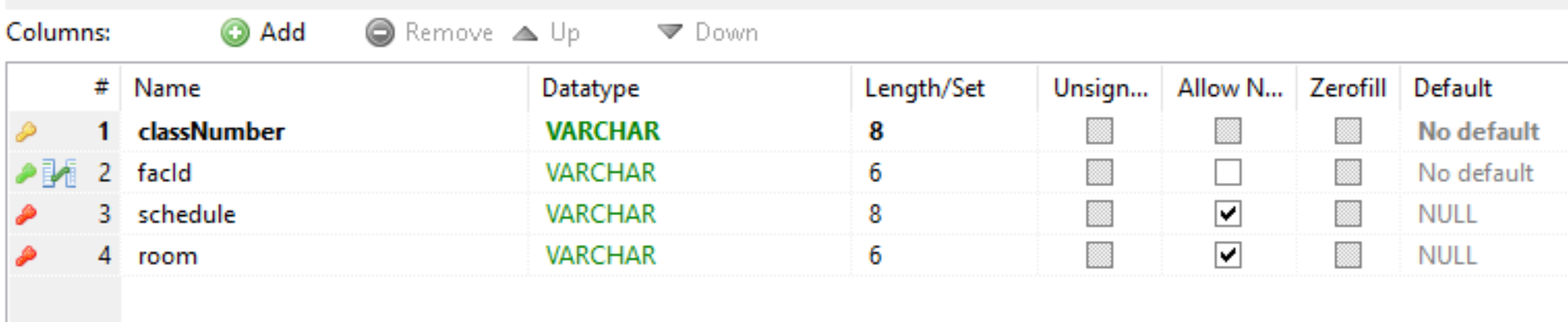




RDB: table:

* has meta-data
* has constraint
* Query using SQL
* Table: not ordered, no duplicate rows and columns.
* Relation: a set (unordered collection of non-duplicating elements) of rows.





Domain: data type

Null:

-- find the student with no declared major.

-- output: all attributes in student

-- source: student

-- condition: major is null

-- \* wildcard match

select distinct s.\*

from student s

where s.major is null;

select distinct s.\*

from student s

where s.major is not null;