

Lab 2: Table variables and set operators

Using the University Admissions database write the following queries.

1. The ID, name, score, university and enrollment of all the students that have applied for a degree, but use table variables to make it more readable.
2. All pairs of students that have the same score. Ensure that a student is not paired with themselves and that each pair is mentioned once.
3. A list of ~~all the~~ student names and university names. The attribute name should be renamed as "Name".
4. A list of IDs for all students that have applied for computer science (CS) and electronic engineering (EE). (MySQL does not support the **intersect** operator so you need to write a query with the same behaviour. Hint: Use a cross product of two instances of the Apply table. Remove duplicates. Why did the duplicates occur?)

Aside: A query which generate a list of IDs for all students that have applied for computer science (CS) but have not applied for electronic engineering (EE) requires SQL constructs that we haven't covered since MySQL does not support the **except** operator.