Databases

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Relationships

- Relationships are essentially links that associate a field in one table with a field in another table

Example

- School Database

Students	
Student Name	**Address**
John	Elm St.
Jane	Oak St.

Math Class	
Student Name	**Grade**
John	A
Jane	B

Example Conti..

- Both tables share a common field, the Student Name field

Students		Math Class	
Student Name	Address	Student Name	Grade
John	Elm St.	**John**	A
Jane	Oak St.	Jane	B

Why Relationships?

- By linking the Student Name fields, you ensure that John in the Students table is the same John listed in the the Math Class table.

- Creating these table relationships are important if we want to be able perform queries with multiple tables.

Create these two tables – Database Name: UCalgary

Student

SID	FName	LName	Faculty
1	John	Ross	CS
2	Kris	Pope	FA
3	Sam	Shirley	CS
4	Matt	Li	CS
5	James	White	FA

Marks

SID	Math	English	French
1	96	90	92
2	82	87	82
3	95	85	85
4	75	90	72
5	92	92	96