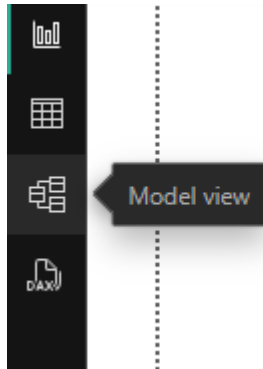


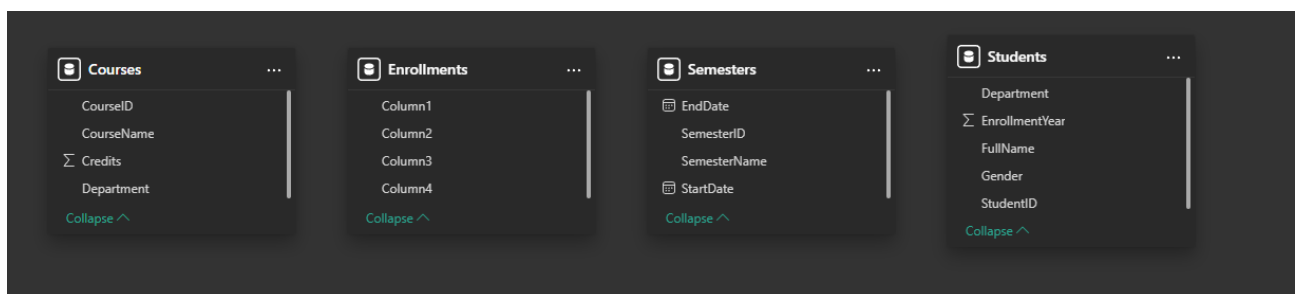
Using the dataset given below create the One to Many Relationship

a) Students[StudentID] → Enrollments[StudentID] (1:M)

Step 1: Go into **Model View**.



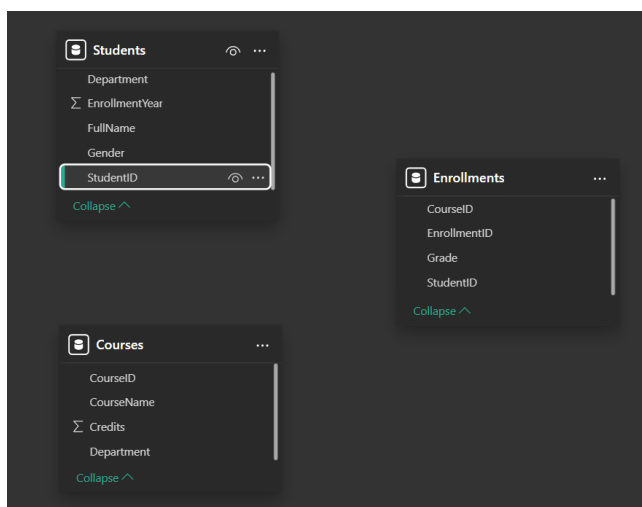
You will see all the tables here.



Note: If column headers don't appear for a table, just like in the Enrollments table in the above picture, then:

Transform Data → Home → Transform → Use First Row as Headers

Step 2: Select the StudentID (Primary Key) column in Students table and drag it onto the StudentID (Foreign Key) column in the Enrollments table.



Step 3: Choose **Cardinality: One to Many (1:*)** and **Cross-filter direction: Single**.

Then click on **Save**.

New relationship

Select tables and columns that are related.

From table

Students

Department	EnrollmentYear	FullName	Gender	StudentID
CS	2021	Aisha Khan	F	S001
IT	2022	Ravi Mehra	M	S002
CS	2023	Sneha Joshi	F	S003

To table

Enrollments

CourseID	EnrollmentID	Grade	StudentID
C101	E001	A	S001
C102	E002	B	S001
C201	E003	A	S002

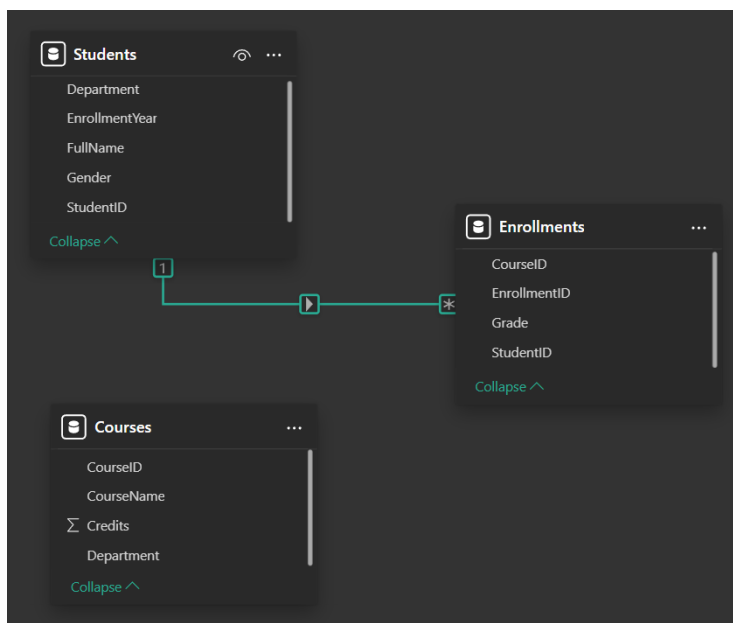
Cardinality One to many (1:*) **Cross-filter direction** Single

☒ Make this relationship active ☐ Apply security filter in both directions

☐ Assume referential integrity

Save **Cancel**

A One to Many relationship between Students and Enrollments tables is established.



b) Courses[CourseID] → Enrollments[CourseID] (1:M)

Step 1: Select the CourseID (Primary Key) column in Courses table and drag it onto the CourseID (Foreign Key) column in the Enrollments table.

Step 2: Choose **Cardinality: One to Many (1:*)** and **Cross-filter direction: Single**.

New relationship ✕

Select tables and columns that are related.

From table

Courses

CourseID	CourseName	Credits	Department
C101	Data Structures	4	CS
C102	Operating Sys...	4	CS
C201	Database Syst...	3	IT

To table

Enrollments

CourseID	EnrollmentID	Grade	StudentID
C101	E001	A	S001
C102	E002	B	S001
C201	E003	A	S002

Cardinality **Cross-filter direction**

One to many (1:*) Single

☒ Make this relationship active ☐ Apply security filter in both directions

☐ Assume referential integrity

Save Cancel

A One to Many relationship between Courses and Enrollments tables is established.

