

Issue	Reason	Fix
Msg 515 – Cannot insert NULL into 'email'	Column is NOT NULL but no value was provided	Provide value in INSERT or alter column to allow NULLs
Msg 207 – Invalid column name 'traine_name'	Typo in column name	Correct column name to trainee_name
Msg 547 – Foreign key constraint failed	Referenced key not found in parent table	Insert related record into parent table first
Msg 245 – Conversion failed (varchar '9.5' to INT)	Trying to insert string decimal into an INT column	Change column to FLOAT or convert data properly
Query for 'Data Science' returns nothing	Case sensitivity or extra whitespace	Use LOWER() or LIKE '%data science%'
Msg 2627 – Primary key constraint violation	Duplicate value for primary key	Use a unique value or remove the duplicate entry
Msg 2714 – Object already exists	Trying to create a table or object that already exists	Use IF NOT EXISTS, or drop the existing object
Incorrect date stored (NULL or wrong format)	Wrong date format used (e.g., '12/31/2025')	Use ISO format: 'YYYY-MM-DD'
Msg 8114 – Conversion error (nvarchar to numeric)	Math operation attempted on a string	Use CAST() to convert to numeric or clean your data
View returns empty when filtering beginner-level courses	Data is labeled as 'Intermediate' instead of 'Beginner'	Search for correct level or update data
Msg 2628 – String or binary data would be truncated	Input is longer than column's defined length	Increase the column size using ALTER TABLE
Gender column shows error on insert	Defined as VARCHAR(1) but insert uses full words ('Male', 'Female')	Update data to use single letters ('M', 'F')
Empty results when querying course 'Data Basics'	No course with that exact name exists	Check for typos, use LIKE, or insert the correct course