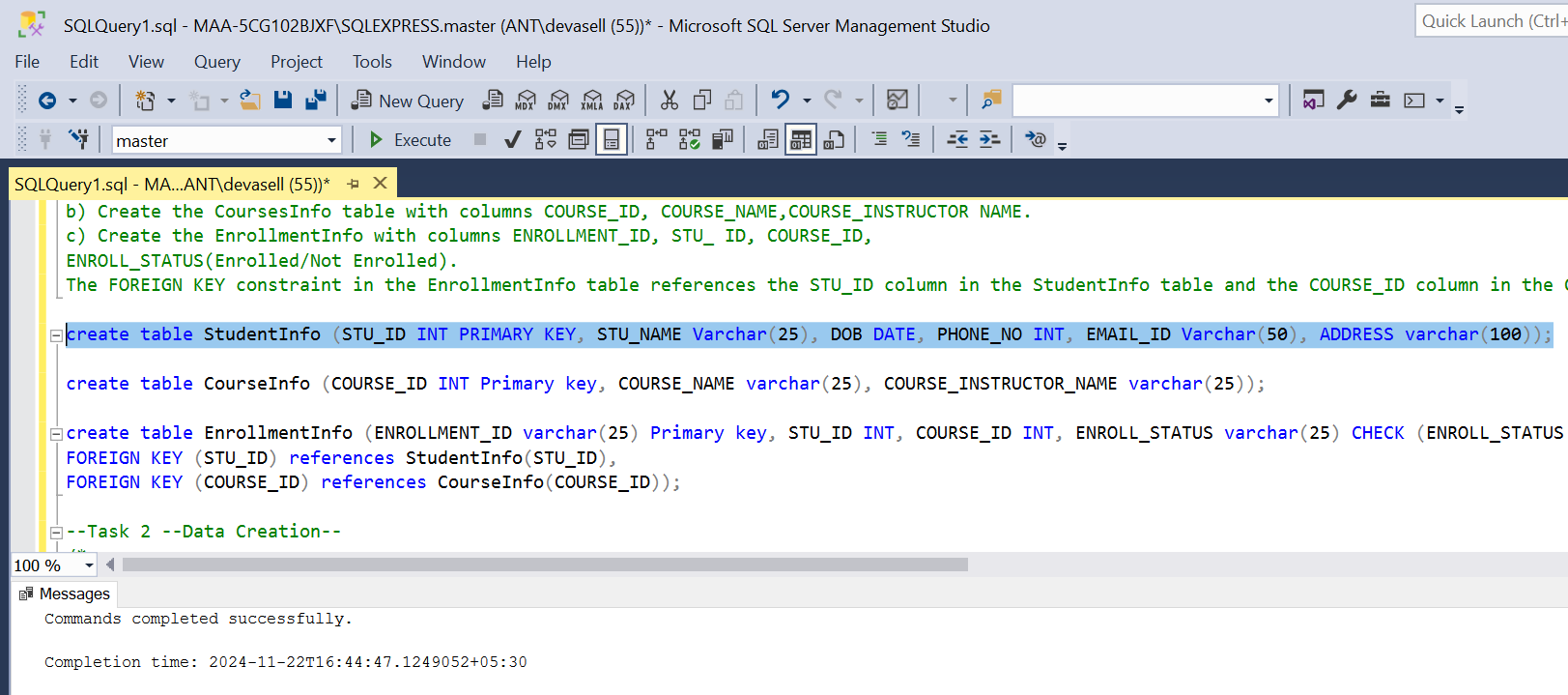
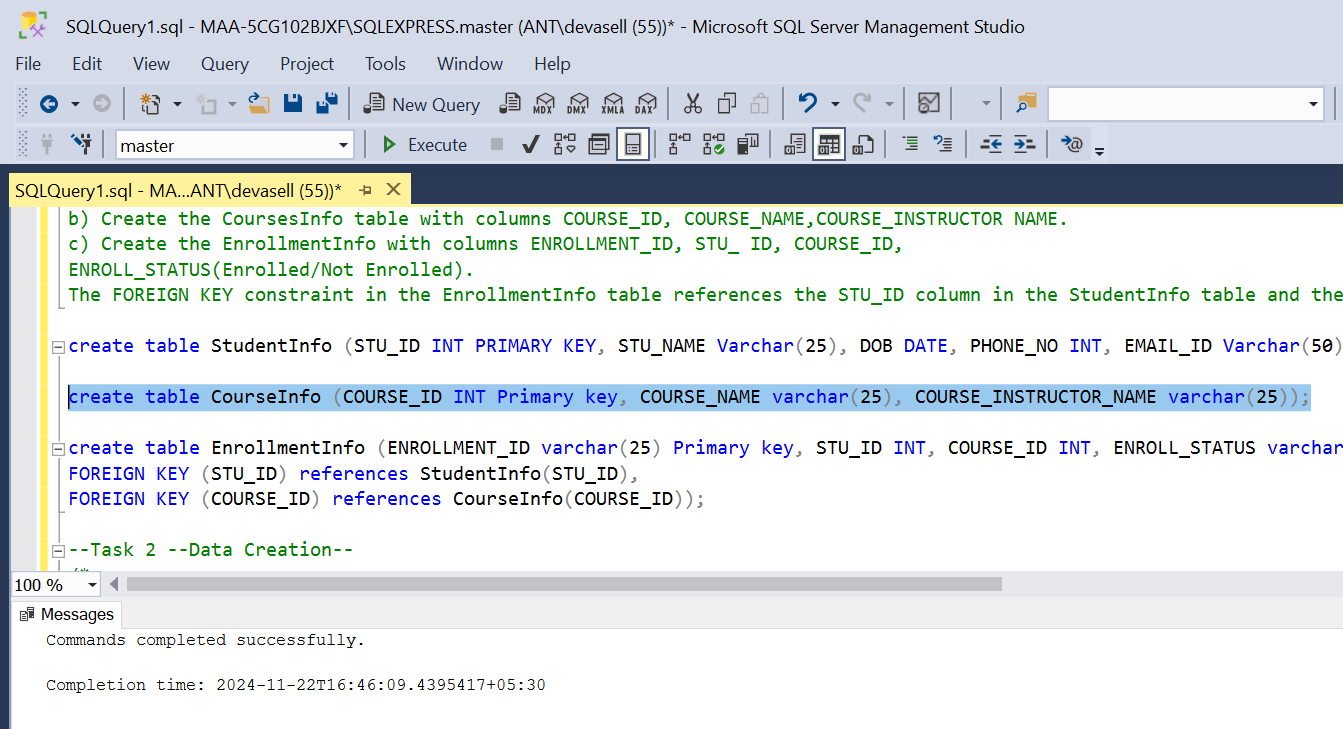
1. **Project Title: Academic Management System (using SQL):**

**1. Database Creation:**

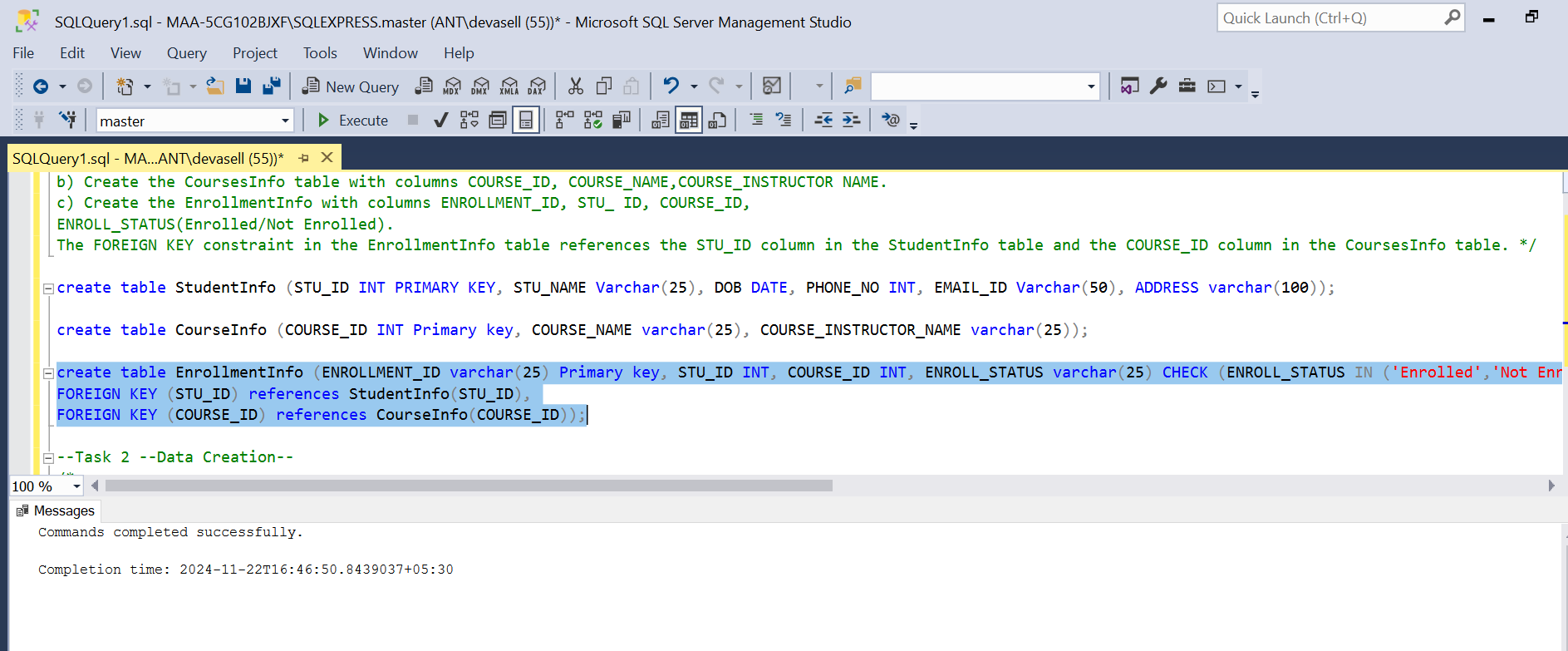
a) Create the StudentInfo table with columns STU\_ ID, STU\_NAME, DOB, PHONE\_NO, EMAIL\_ID, ADDRESS.



b) Create the CoursesInfo table with columns COURSE\_ID, COURSE\_NAME, COURSE\_INSTRUCTOR NAME.



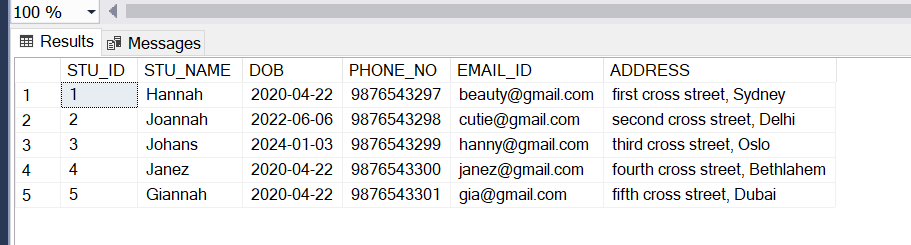
c) Create the EnrollmentInfo with columns ENROLLMENT\_ID, STU\_ ID, COURSE\_ID, ENROLL\_STATUS (Enrolled/Not Enrolled). The FOREIGN KEY constraint in the EnrollmentInfo table references the STU\_ID column in the StudentInfo table and the COURSE\_ID column in the CoursesInfo table.



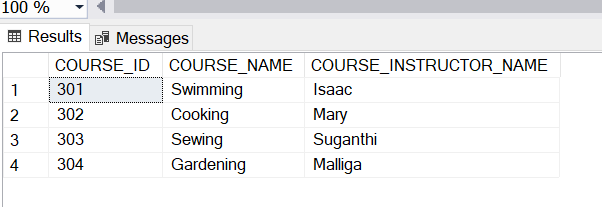
**2. Data Creation:**

Insert some sample data for StudentInfo table, CoursesInfo table, EnrollmentInfo with respective fields.

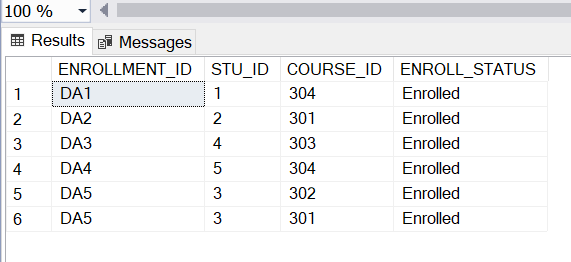
**StudentInfo table**



**CoursesInfo**

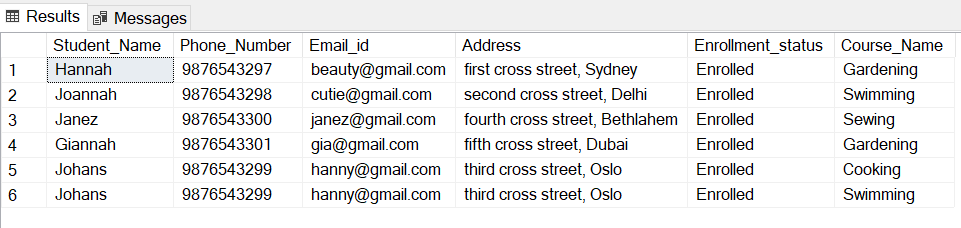


**EnrollmentInfo**

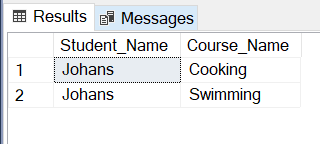


**3) Retrieve the Student Information**

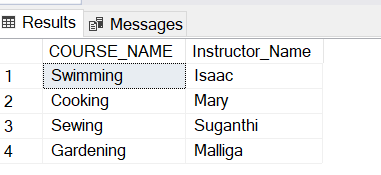
a) Write a query to retrieve student details, such as student name, contact information, and Enrollment status.



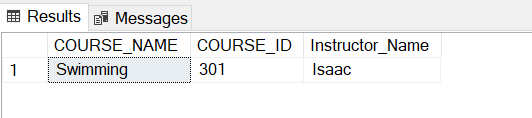
b) Write a query to retrieve a list of courses in which a specific student is enrolled.



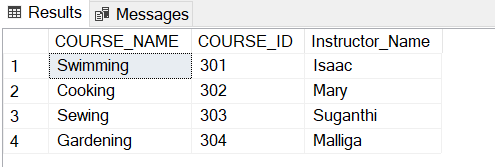
c) Write a query to retrieve course information, including course name, instructor information.



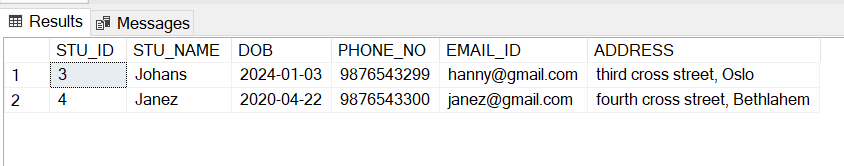
d) Write a query to retrieve course information for a specific course.

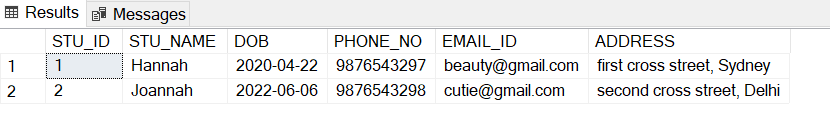


e) Write a query to retrieve course information for multiple courses.



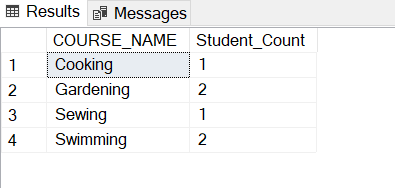
f) Test the queries to ensure accurate retrieval of student information. ( execute the queries and verify the results against the expected output.)



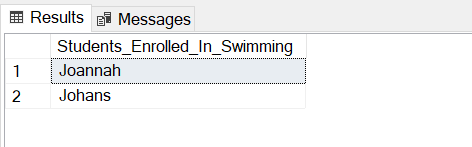


**4. Reporting and Analytics (Using joining queries)**

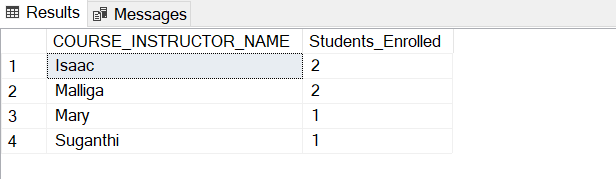
1. Write a query to retrieve the number of students enrolled in each course



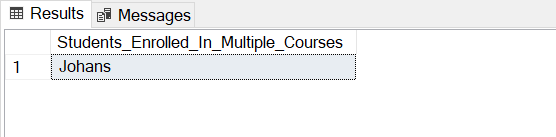
b) Write a query to retrieve the list of students enrolled in a specific course



c) Write a query to retrieve the count of enrolled students for each instructor.



d) Write a query to retrieve the list of students who are enrolled in multiple courses



e) Write a query to retrieve the courses that have the highest number of enrolled students (arranging from highest to lowest)

