ASSIGNMENT 5

COLLEGE DATABASE

GROUP : ANKITHA S MADANBHAVI (18BCS008)

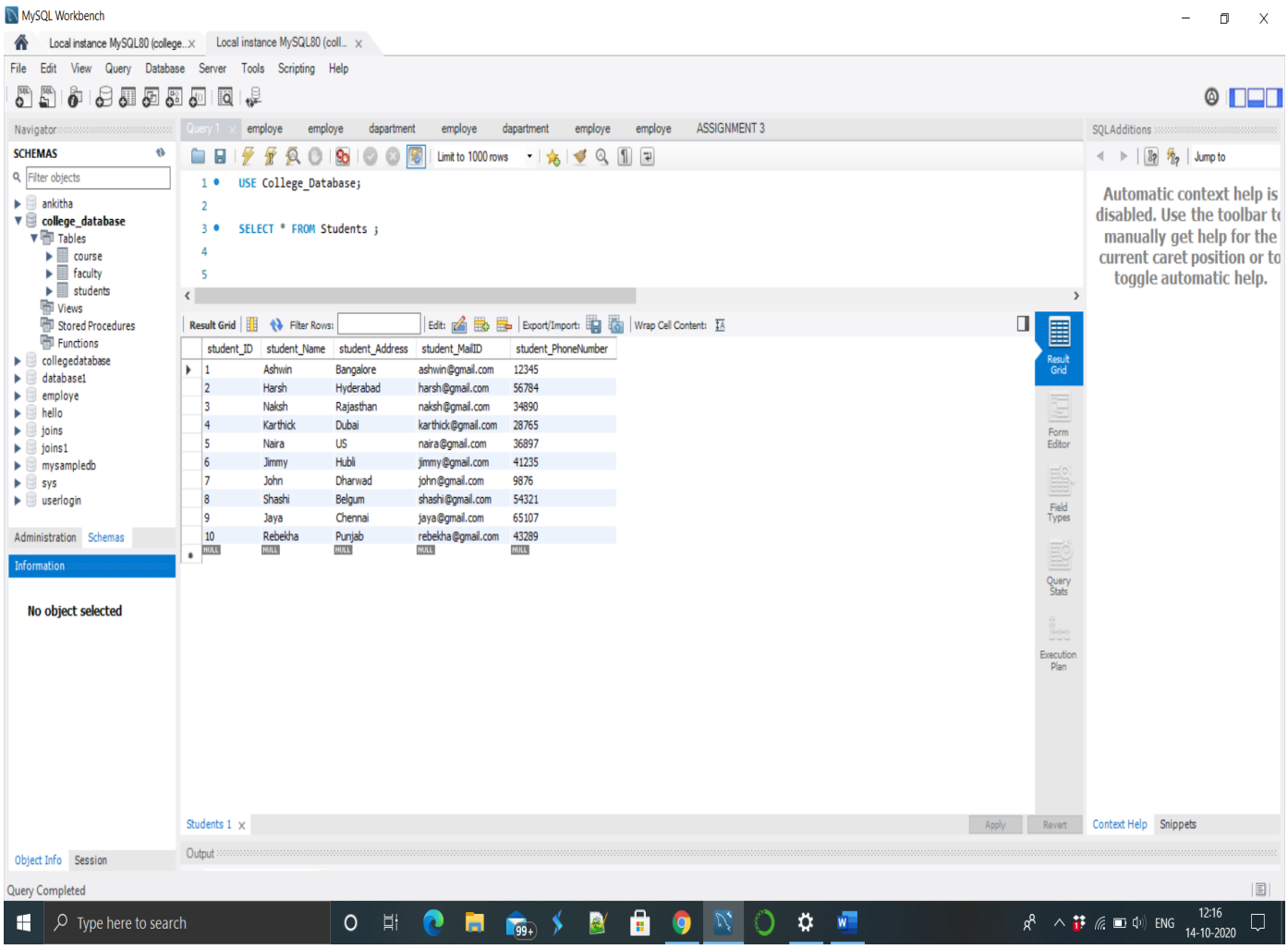
AKSHAYA REDDY (18BCS017)

HARSHITHA M (18BCS032)

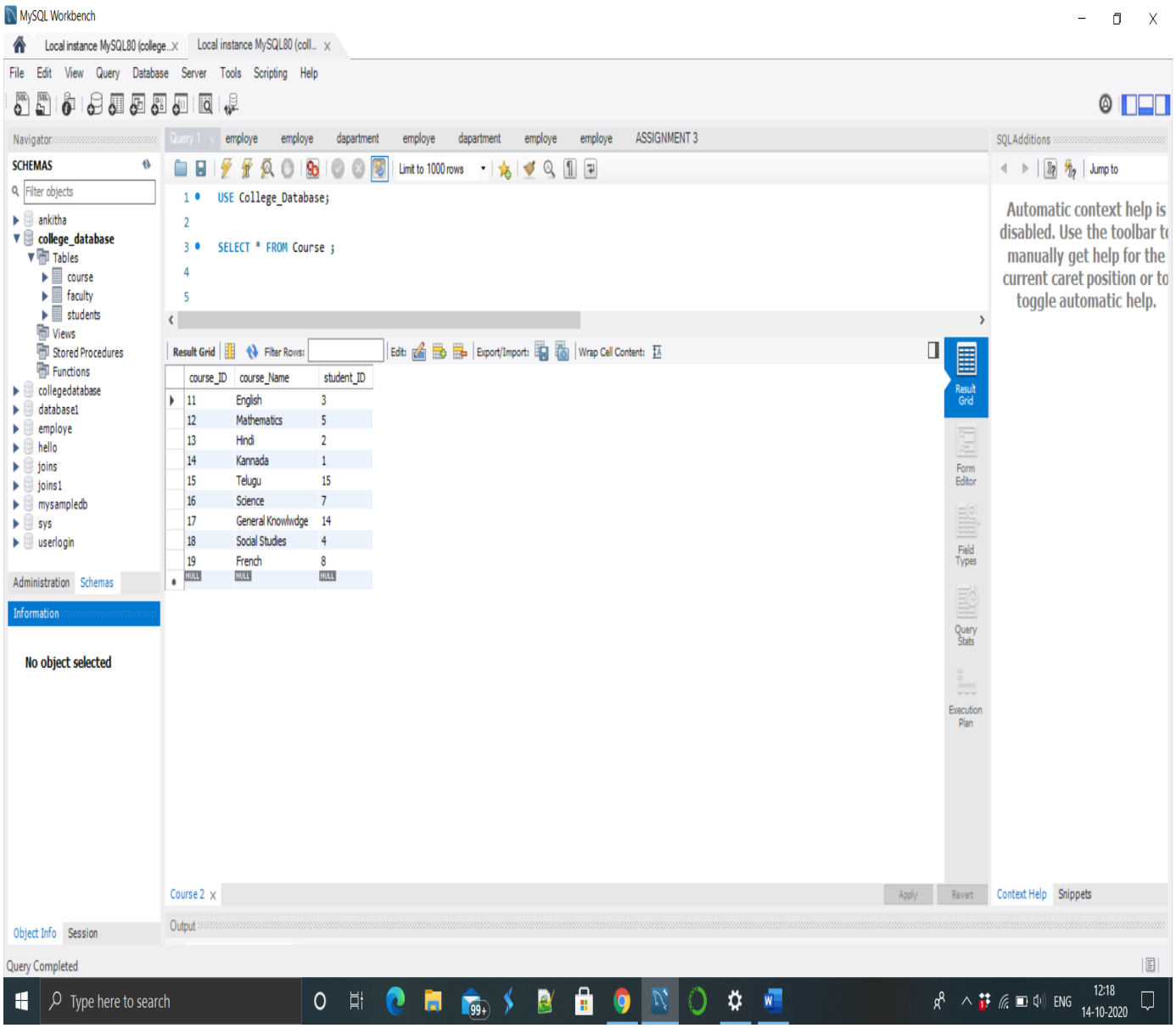
LENNA B A (18BCS048)

Tables = Students , Faculty , Course ;

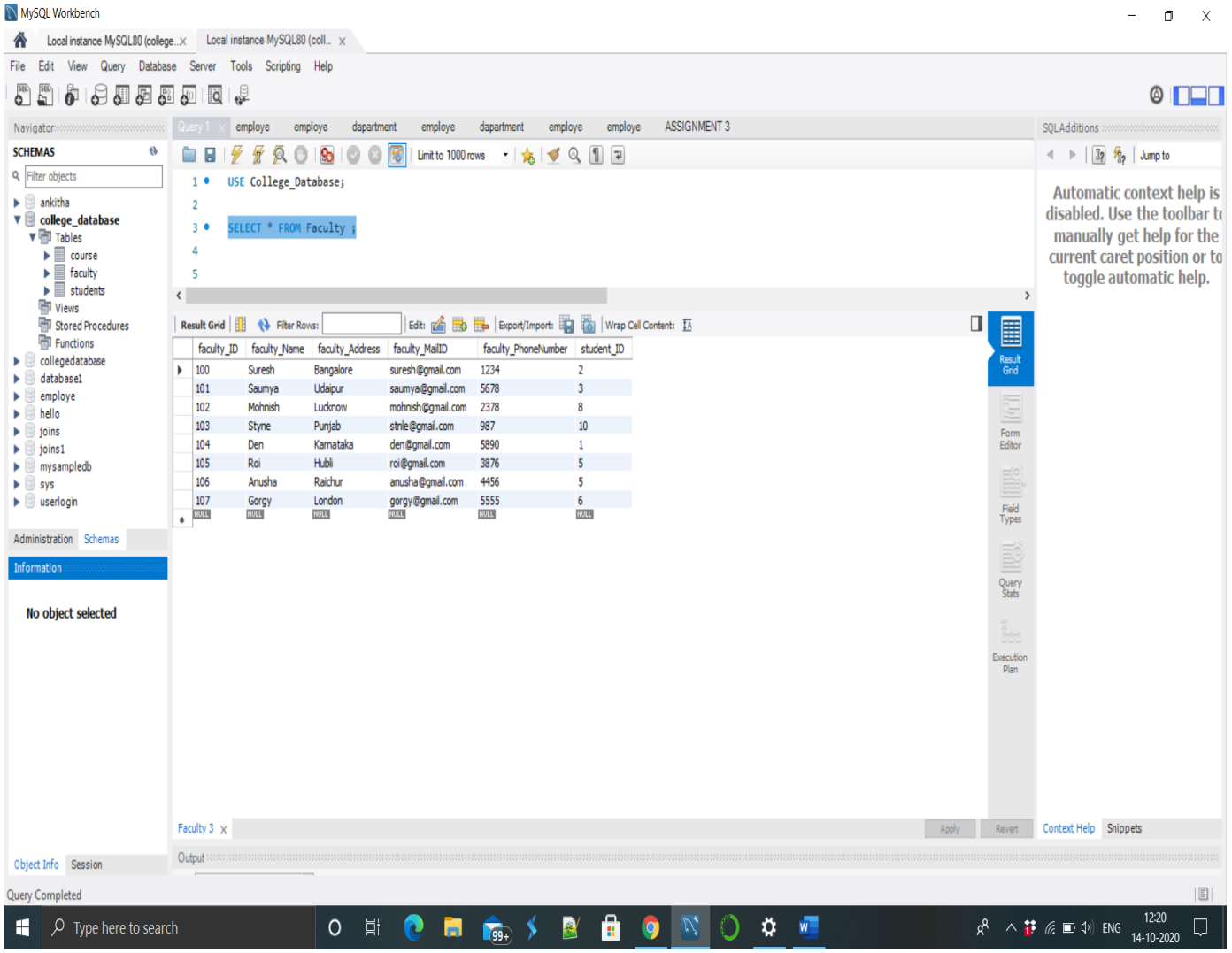
Students Table :



Course Table :



Faculty Table :



1) INNER JOIN :

Query:

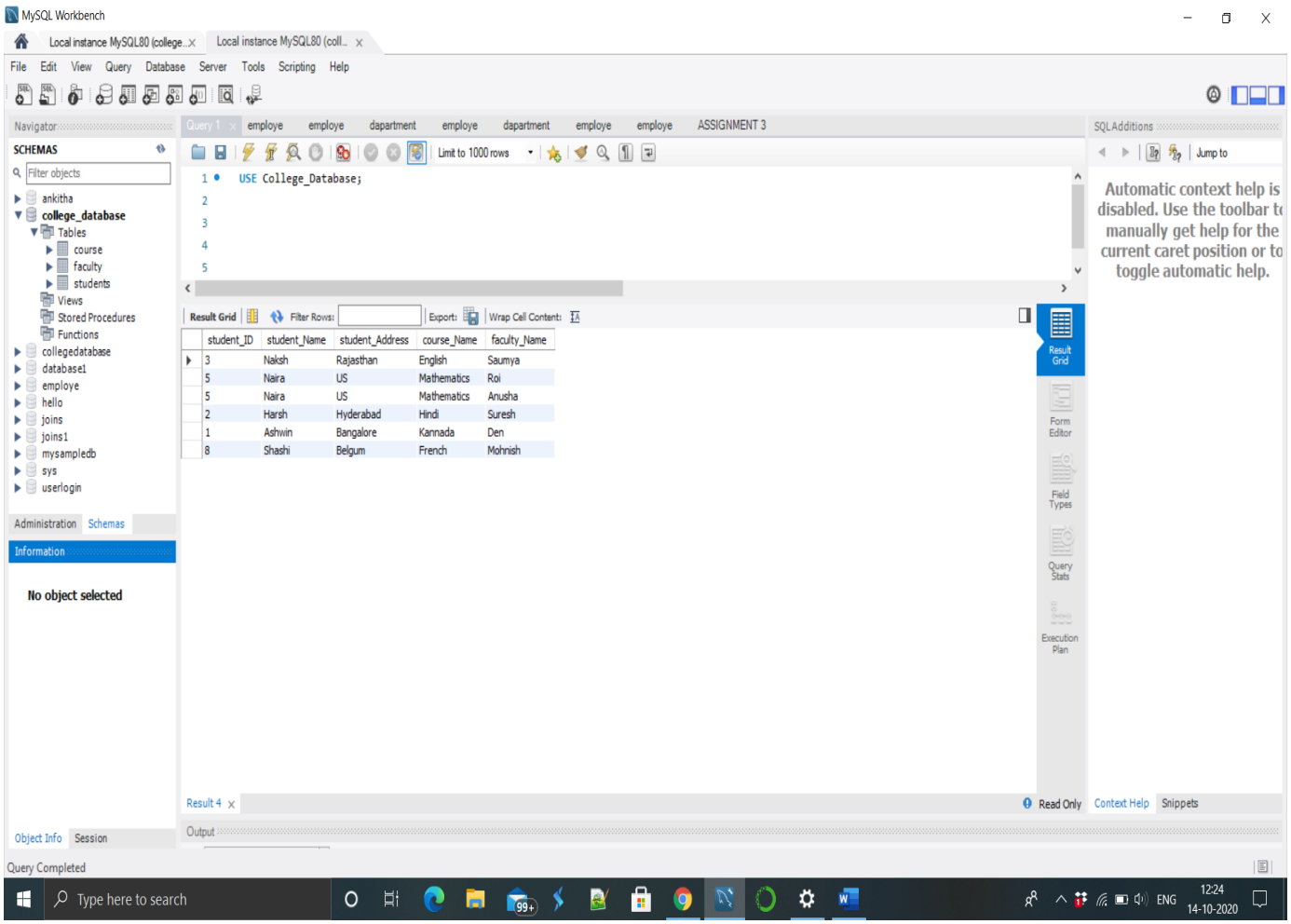
a) SELECT Students.student_ID , Students.student_Name , Students.student_Address ,

Course.course_Name , Faculty.faculty_Name FROM Students

JOIN Course ON Course.student_ID = Students.student_ID

JOIN Faculty ON Faculty.student_ID = Students.student_ID ;

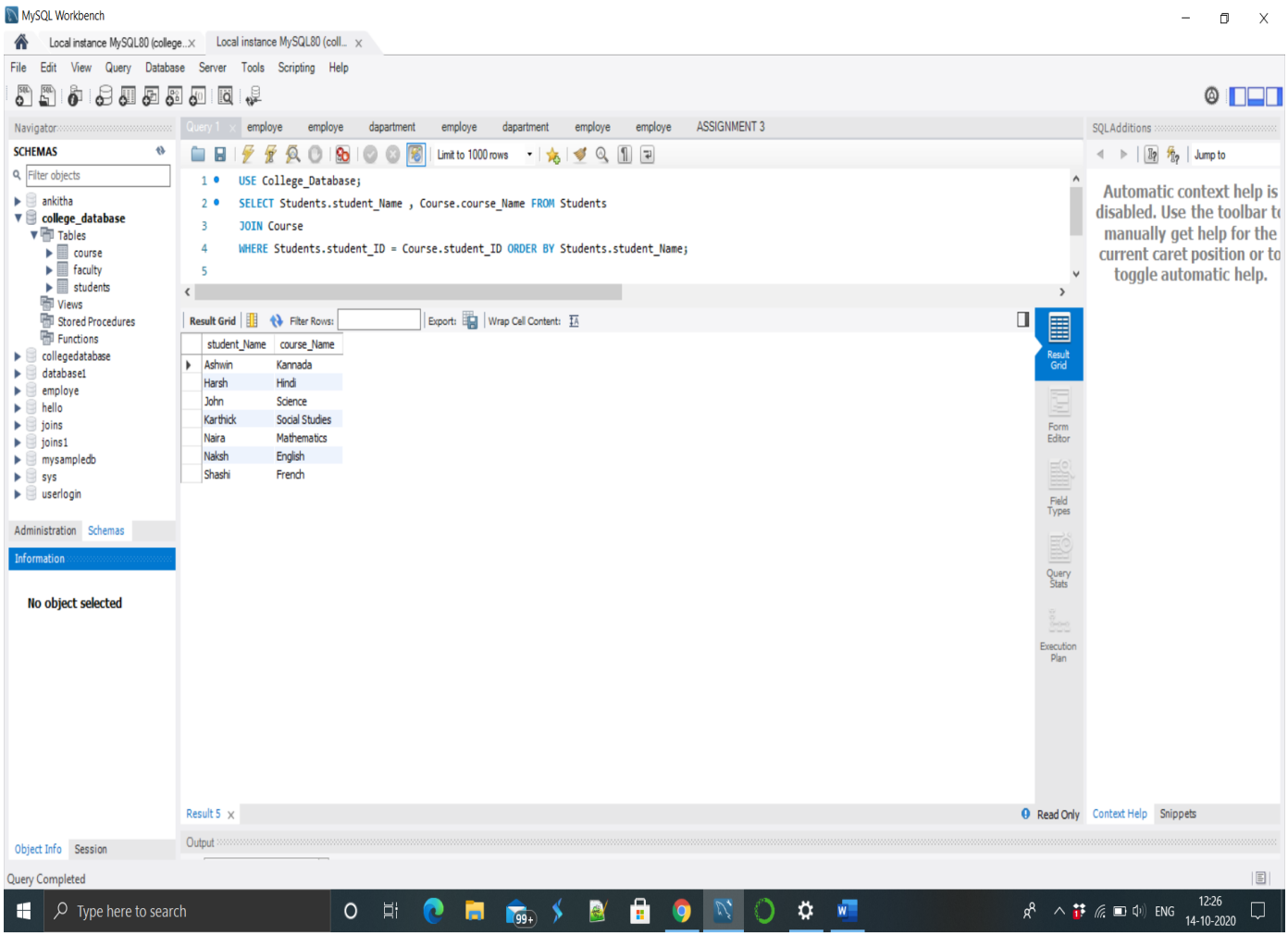
OUTPUT:



Query:

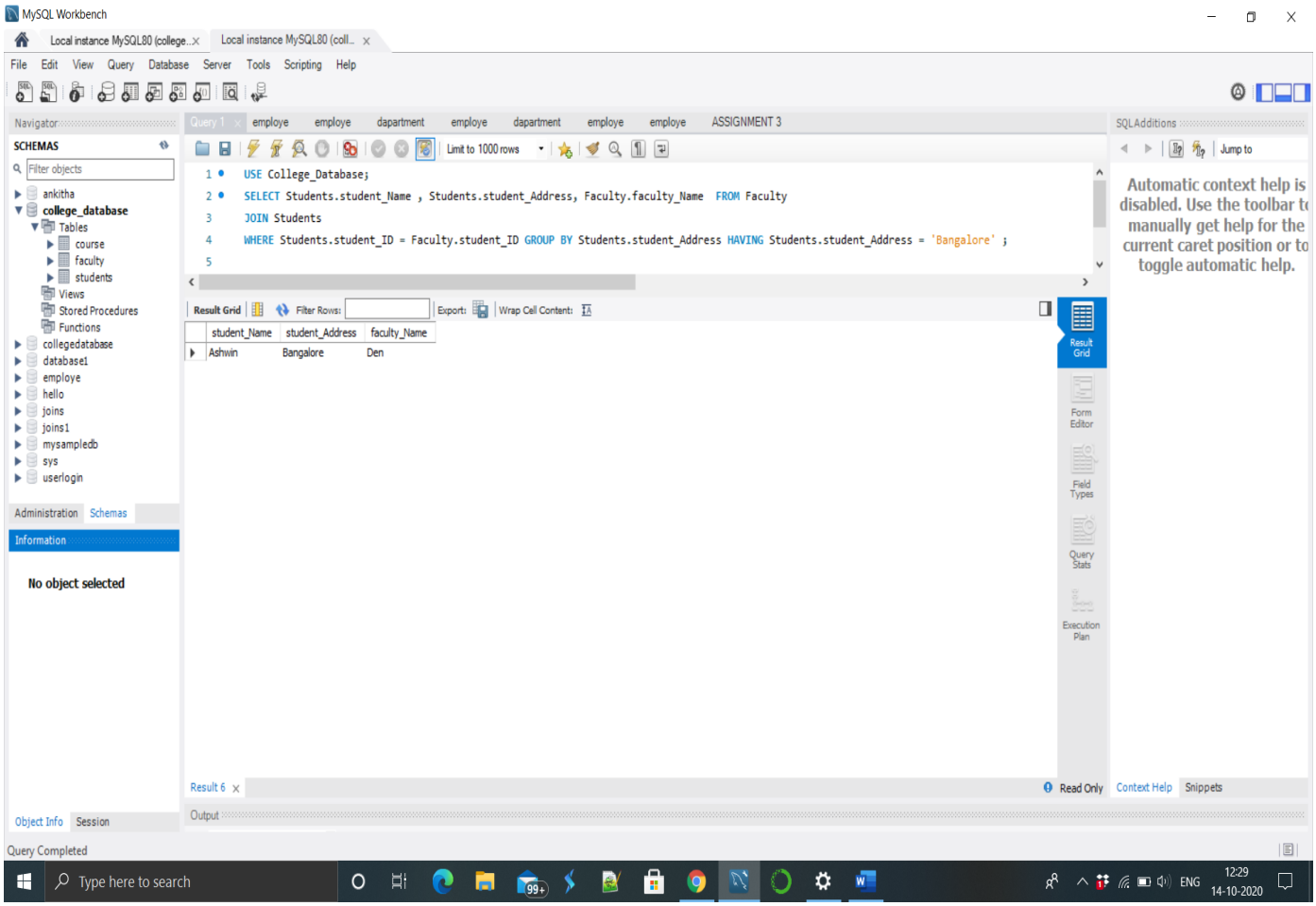
b) SELECT Students.student_Name , Course.course_Name FROM Students
JOIN Course
WHERE Students.student_ID = Course.student_ID ORDER BY Students.student_Name;

Output :



c) SELECT Students.student_Name , Students.student_Address, Faculty.faculty_Name FROM Faculty
JOIN Students
WHERE Students.student_ID = Faculty.student_ID GROUP BY Students.student_Address HAVING Students.student_Address = 'Bangalore' ;

Output :

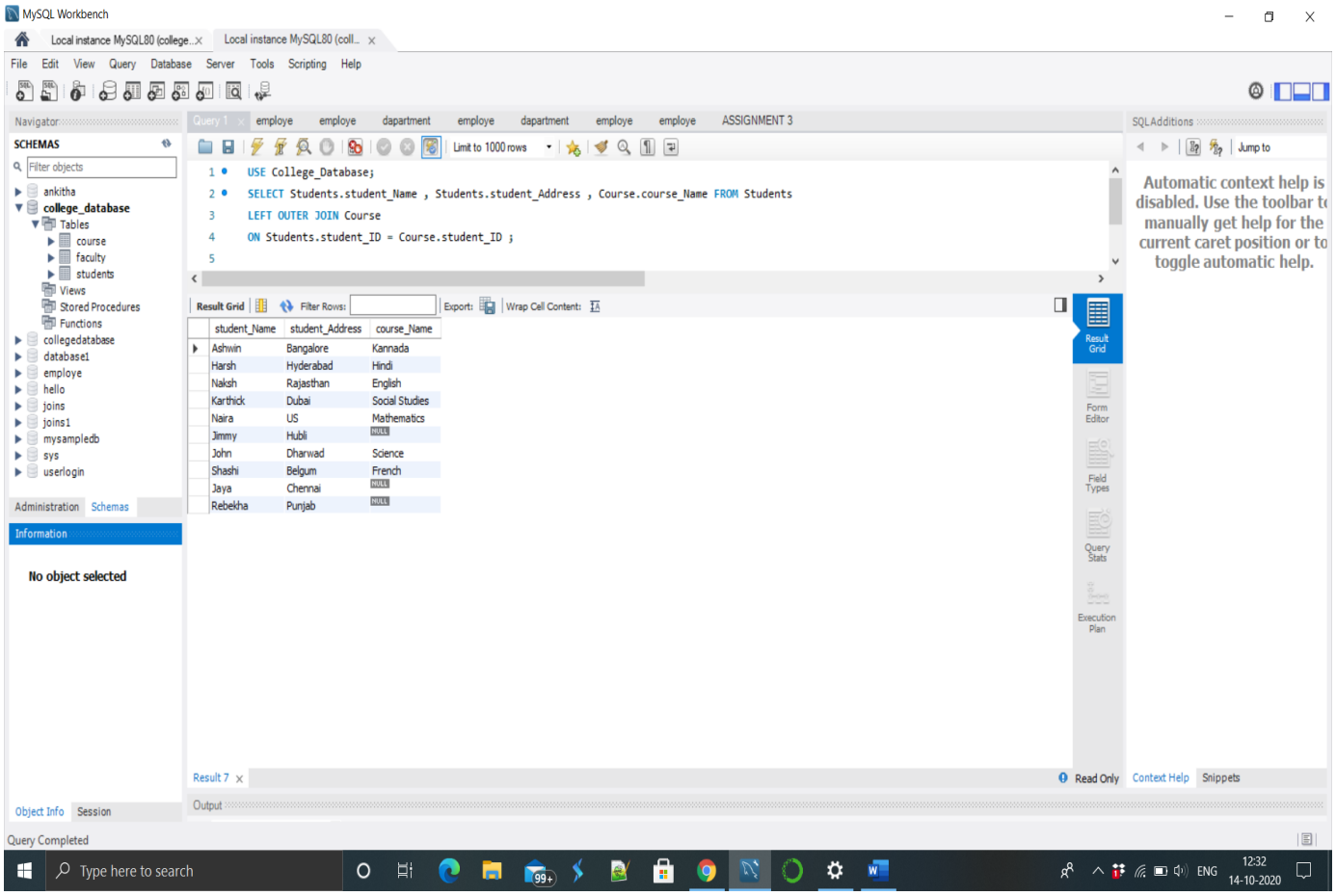


2) LEFT OUTER JOIN :

Query:

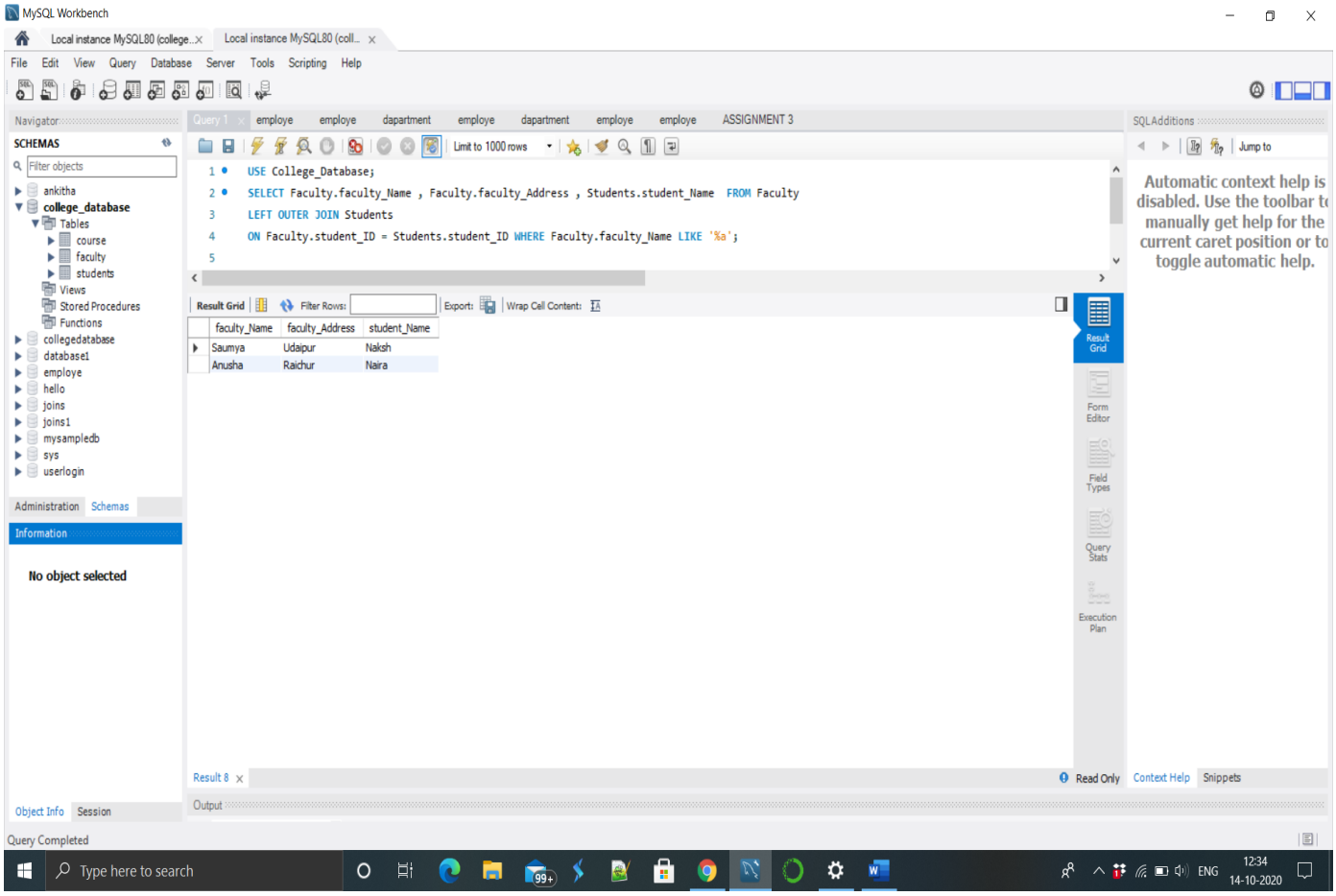
a) SELECT Students.student_Name , Students.student_Address ,
Course.course_Name FROM Students
LEFT OUTER JOIN Course
ON Students.student_ID = Course.student_ID ;

Output :



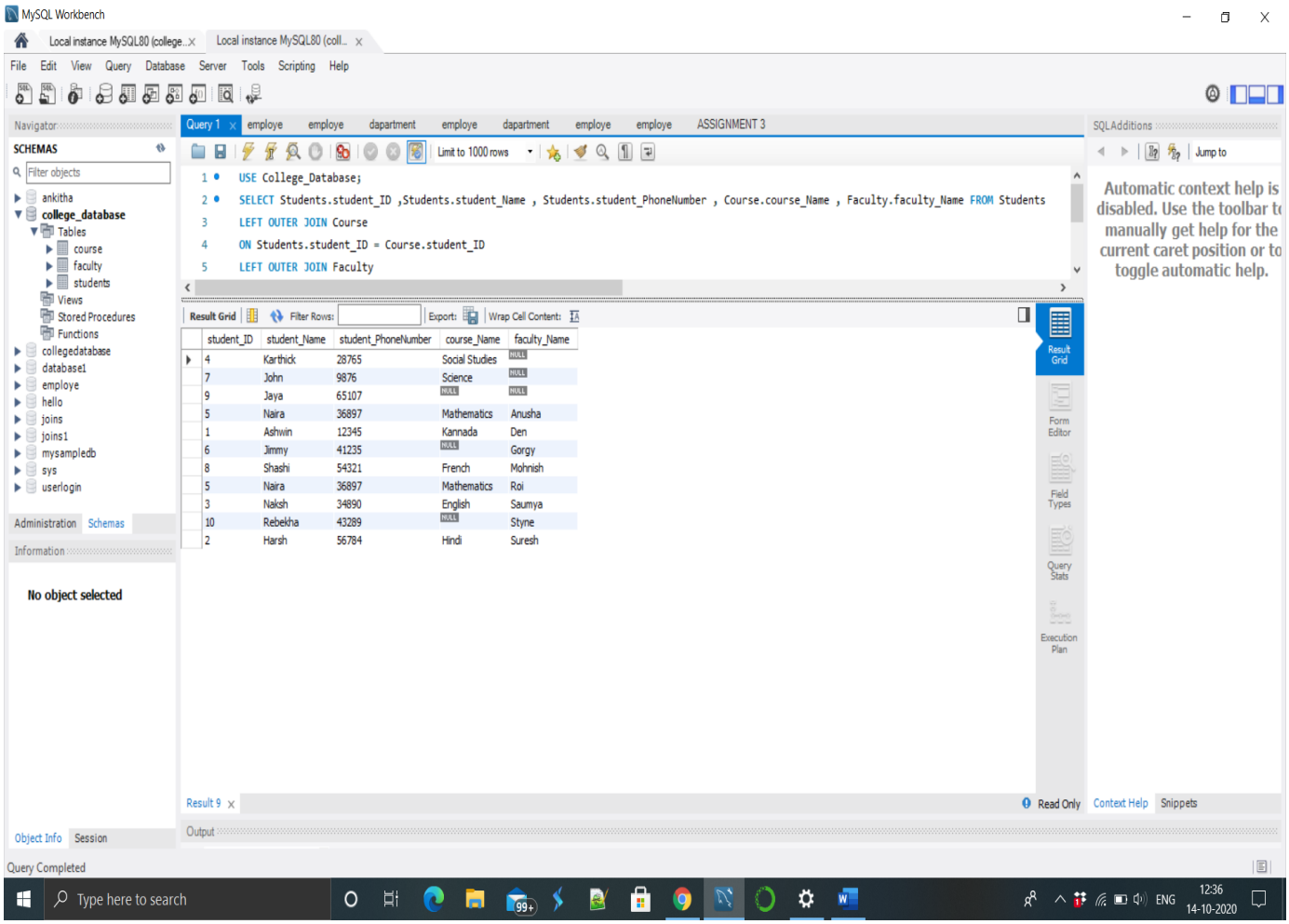
b) SELECT Faculty.faculty_Name , Faculty.faculty_Address , Students.student_Name FROM Faculty
LEFT OUTER JOIN Students
ON Faculty.student_ID = Students.student_ID WHERE Faculty.faculty_Name LIKE '%a';

Ouput :



c) SELECT Students.student_ID ,Students.student_Name , Students.student_PhoneNumber , Course.course_Name , Faculty.faculty_Name FROM Students
LEFT OUTER JOIN Course
ON Students.student_ID = Course.student_ID
LEFT OUTER JOIN Faculty
ON Students.student_ID = Faculty.student_ID ORDER BY Faculty.faculty_Name ;

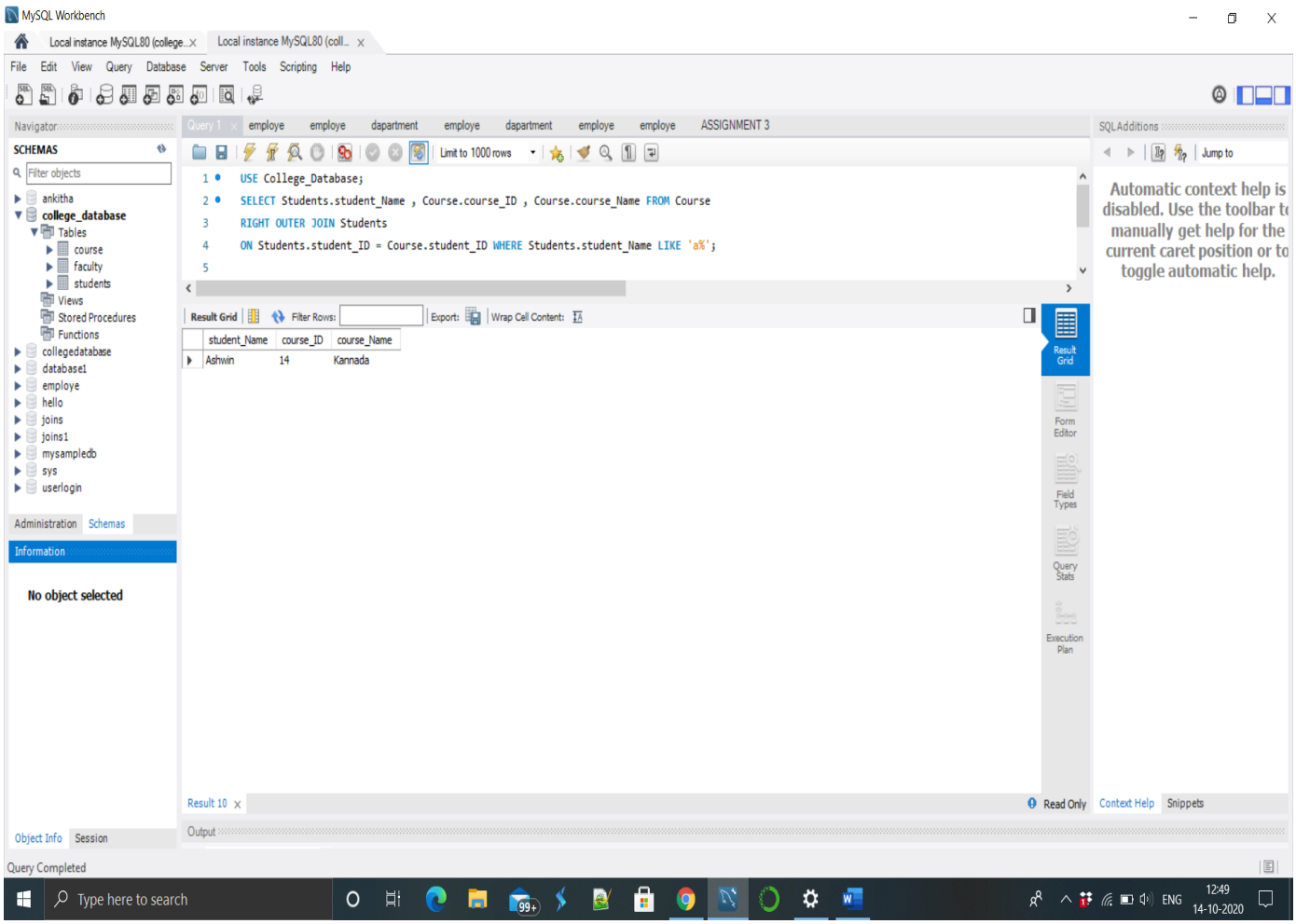
Output :



RIGHT OUTER JOIN :

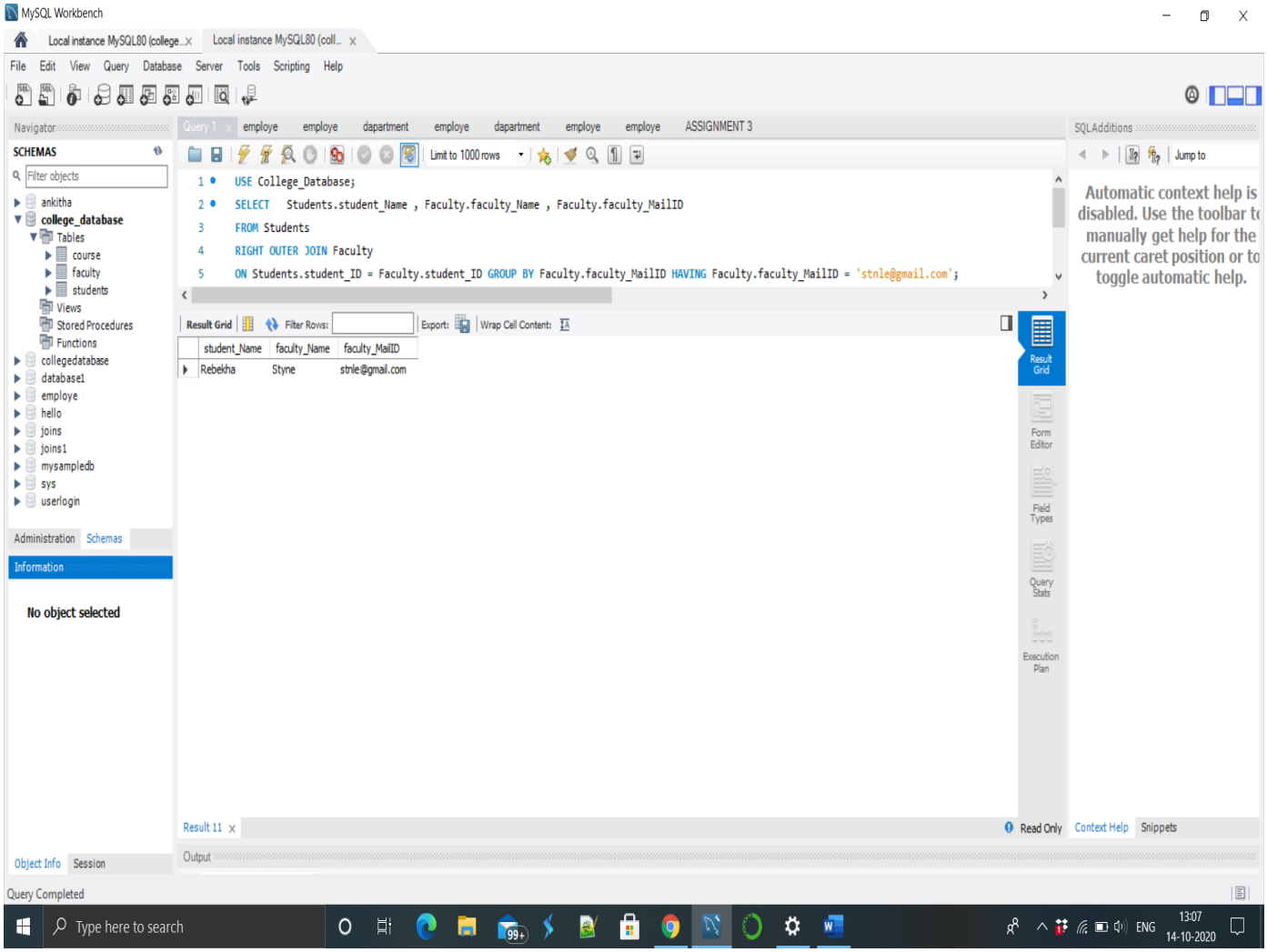
a) SELECT Students.student_Name , Course.course_ID , Course.course_Name FROM Course
RIGHT OUTER JOIN Students
ON Students.student_ID = Course.student_ID WHERE Students.student_Name LIKE 'a%';

Output :



b) SELECT Students.student_Name , Faculty.faculty_Name , Faculty.faculty_MailID
FROM Students
RIGHT OUTER JOIN Faculty
ON Students.student_ID = Faculty.student_ID GROUP BY Faculty.faculty_MailID HAVING Faculty.faculty_MailID = 'stnle@gmail.com';

Output :



c) SELECT Students.student_Name , Faculty.faculty_ID ,
Faculty.faculty_Name , Course.course_Name FROM Students
RIGHT OUTER JOIN Faculty
ON Students.student_ID = Faculty.student_ID
RIGHT OUTER JOIN Course
ON Students.student_ID = Course.student_ID ;

Output :