**A1.**

SELECT Student FROM @CourseStudent GROUP BY Student having count(CourseID) = (select count(\*) from @Course)

**A2.**

SELECT AVG(TotalAmount)/3

FROM @customerOperation

GROUP BY CustomerID

HAVING COUNT(CustomerID) > 3

A3.

1-

select RoleName from @Role where RoleId in (

select RoleId

from @UserRoleAssignment where UserId := userId

union

select ParentRoleID from @RoleRoleAssignment where RoleId in (select RoleId

from @UserRoleAssignment where UserId := userId))

2-

select UserName from @Role where UserId in (

select UserId from @UserRoleAssignment where RoleId := roleId

union

select UserId from @UserRoleAssignment where RoleId in (select RoleId

from @ParentRoleID where RoleId := roleId))

A4.

WITH cte AS (

SELECT

student,

course,

ROW\_NUMBER() OVER (

PARTITION BY

student,

course

ORDER BY

student,

course

) row\_num

FROM

@StudentCourse

)

DELETE FROM cte

WHERE row\_num > 1;