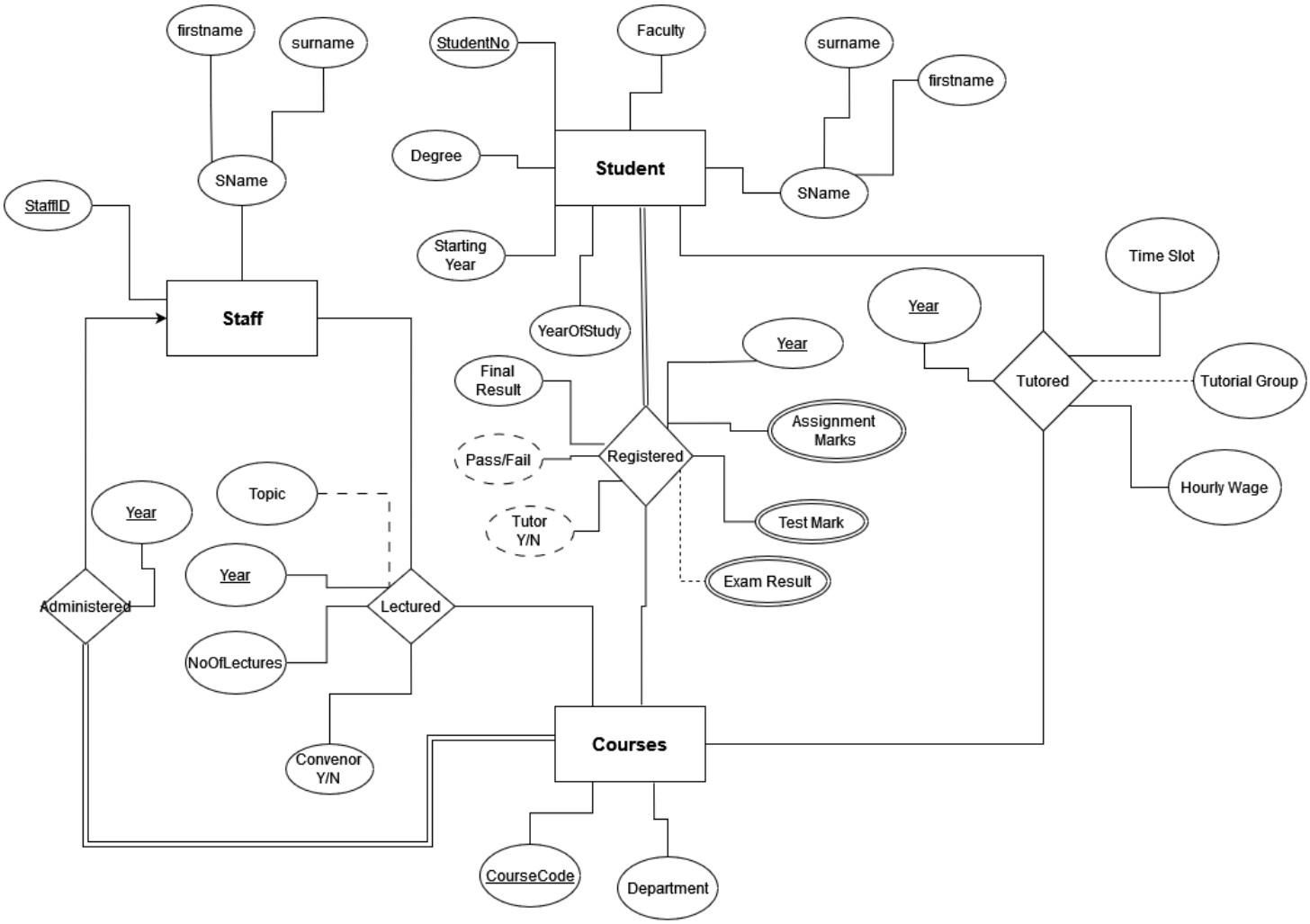
Question A


firstname
surname
SName
StaffID
Staff
StudentNo
Faculty
surname
firstname
Degree
Student
SName
Starting Year
YearOfStudy
Time Slot
Year
Tutored
Tutorial Group
Hourly Wage
Year
Final Result
Pass/Fail
Registered
Assignment Marks
Tutor Y/N
Test Mark
Exam Result
Year
Topic
Year
Administered
Lectured
NoOfLectures
Convenor Y/N
Courses
CourseCode
Department

Question B

Student (StudentNo, Firstname, Surname, Degree, YearofStudy, Faculty)

Registered (StudentNo, CourseCode, Year, Finalresult, PassOrFail)

ExamMarks (StudentNo, CourseCode, Year, Paper, Mark)

AssignmentMarks (StudentNo, CourseCode, Year, Assignment, Mark)

TestMarks (StudentNo, CourseCode, Year, Test, Mark)

Tutored (StudentNo, CourseCode, Year, HourlyWage, TutorialGroup)

Staff (StaffID, firstname, surname)

Lectured (StaffID, CourseCode, Year, Topic, NoOfLectures)

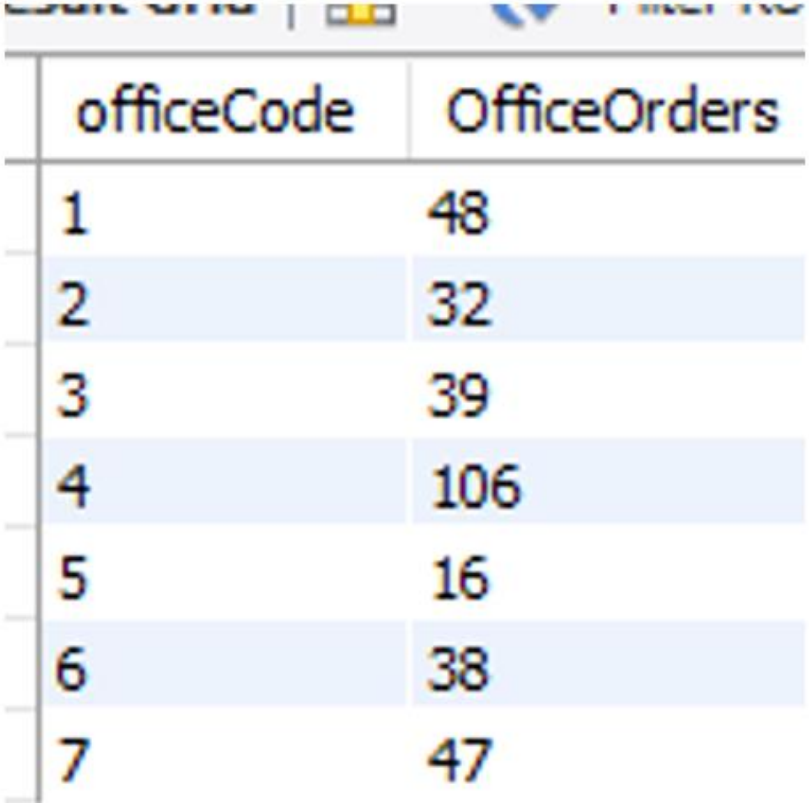
Administered (StaffID, CourseCode, Year)

Courses (CourseCode, Department)

Question C

```
#Determine number of orders associated with each office

select officeCode, sum(empOrders) as OfficeOrders from employees, (Select
salesRepEmployeeNumber, sum(numOrders)  from customers, (select
customerNumber,count(*) from orders group by customerNumber)AS
result(customerNumber,numOrders) where
customers.customerNumber=result.customerNumber group by
customers.salesRepEmployeeNumber) As
result2(salesRepEmployeeNumber,empOrders) where
employees.employeeNumber=result2.salesRepEmployeeNumber group by
employees.officeCode order by employees.officeCode;
```



officeCode	OfficeOrders
1	48
2	32
3	39
4	106
5	16
6	38
7	47

The query shows how many orders each office has done. We know the result is correct as when we sum up the total orders given by each employee under each office we get the same results as printed out by the sql query.

Question D

SCHMAT041: Contributed to the activity diagram

RMKYAS002: Contributed to the relational database design and the activity diagram

RMPALL001: Contributed to the SQL query and the activity diagram

RNNZIP001: Contributed to the SQL query and the activity diagram

RSNROW001: Contributed to the activity diagram