## SQL QUERIES

```
1)
SELECT Registered.e-mail, Resume.salary
FROM Registered R1, Resume R2
WHERE R1.Registered_Preferred_Disciplines="Computer Engineering"
      AND R1.Authorised_Country="Germany"
      AND R1.e-mail=R2.e-mail;
2)
SELECT R.Name
FROM Recruiter R
WHERE R.RegNo IN (SELECT U.RegNo
                  FROM University U
                  WHERE U.RegNo IN (SELECT A.RegNo
                                     FROM Activity A
                                     WHERE A.Category="A"
                                           AND A.RegNo IN (SELECT C.RegNo
                                                            FROM Confrerence C)));
3)
SELECT J.RecruiterName
FROM JobAd J
WHERE NOT EXISTS (SELECT JA. Visit
                  FROM JobAd JA);
6)
SELECT AVG(R.Salary)
FROM Resume R
WHERE EXISTS (SELECT PRD.MainCategory
              FROM Registered_Preffered_Diciplines PRD
              PRD.e-mail=R.e-mail)
      AND R.e-mail=PRD.e-mail
ORDER BY Salary ASC
7)
SELECT T.trainer, T.title, Count(T.Program)
FROM Training T
WHERE EXISTS (SELECT E.RegNo
              FROM Enrol E
              HAVING Count(*)>30)
      AND T.RegNo=E.RegNo
8)
SELECT R.Name, R.Surname
FROM Registered R
WHERE NOT EXISTS (SELECT RE.e-mail
                  FROM Resume RE)
      AND R.e-mail=RE.e-mail
9)
SELECT R.Name, R.Surname
FROM Registered R
WHERE EXISTS (SELECT A.e-mail
              FROM Authorised_Country A
              WHERE R.Nation!=A.Country)
      AND R.e-mail=A.e-mail
```

## ANSWERS BY RELATIONAL ALGEBRA

O: Order by ascending, salary A: Take average by salary attribute. (After ordering, second row is the answer in solution table)

8) Thome, Surnome 
$$C(9)=0$$
 Registered  $C: count$