CS 353 - HU13

91.

- a) select s-id, s-nome

 from student

 where department= 'CS' and Cgpa > 3.0
- from club

 from club

 inner join membership on club.c-id = membership.c-id

 inner join student on membership.s-id = student.s-id

 where student.cppa > 2.0;
- c) select c.c-id, c.c-nome, count (m.s-id) as ent from club c inner join weakership m on c.c-id = m.c-id group by c.c-id, c.c-nome having count (m.s-id) > 100;
- d) with temp1 as (

 select c-id, count (*) as cnt

 from newbership

 group by c-id

);

 teup 2 as (

 select nax (cnt) as cnt

 from teup1

)

 select c.c-id, c.c-nome

 from teup1

 inver join teup2 +2 on t.cnt = +2.cnt

 inver join club c on t.c-id = c.c-id;

```
Q2)
     select distinct students. TCK, Students. sname
9)
     from Students, courses, Grades
            Students. TCK = Grades. TCK
     where
     and
           courses cid = grades cid
           courses. cdept = KS!
     ond
      and courses credit = 4
      and Bloger Blogs >30;
     sclect distinct students. TCK, Students. sname
6)
      from students
      where students sdept = 'CS'
       and students, capa > 3.50
             S. Huderts. TCK NOT IN
          ( select distinct grades . TCL
            from grades, courses
            where grades i'd = courses i'd
            and courses . colept = 'EE');
   select distinct students. TCK, student, sname
   from Students
   where students sdept = 'CS'
     order by students coppa DESC
    (I'mi+1)
     select distinct courses cid, courses chome
9
     from courses, grades, students
      where courses.cid = prodes.cid
      and grades. TCK = students. TCK
         couses. edept = 'CS'
      group by courses, aid
      having court (distinct students, sdept) >= 5;
               students. TCK, students, snome
e) select
  from students
   where Students. TCK in
     ( select grades, TCK
       trom Brages
              grades. grade = 100
       where
       group by grades. TCK
       having count (distinct grades. cid) >= 5);
```

```
f) select courses. edept, courses. enome, AVG (Grades. prade) as avg-grade
   from courses, grades
   where courses, ci'd = grades, cid
    group by courses dept = courses chame
    order by courses, colept ASC;
    select courses . colept, MAX (avg-grade) AS highest-avg-grade,
9)
    GROUP_CONCAT (courses. cid) As cids
        select courses, cid, courses, edept, AVCI (Grades, grade) as
    From (
         aug-grade
         from courser, grades
         where courses cid = grades, cid
         group by courses. cid, courses cdept)
         as dept-courses- avg-grades
      inner join courses on dept -courses - ang - grodes, cid =courses, cid
      group by courses edept
      order by courses. edept ASC;
    select students. TCK, students snone
6)
      from students
      whole students.cgpa > (
         select AVG (capa)
          from students
          where sdept = Students. sdept
    select sl. TCK, sl. srome, sl. sdept, sl. cspq
     from Students st
      where sticspa(
        select max (52.08pa)
        from students s2
        where szisdept = stidept
      order by st. sdept ASC;
     select distinct st. TCK, sz. TCK
     from students st, students s2, grades st, grades e2
      where SI. TCK < 52. TCK
      and st. sdept <> s2. sdept
      and S1. TCK = 91. TCK
      and 52. TCK = 92. TCK
       and g1. cid = g2. cid
     proup by S1. TCK, 52. TCK
      having count (x) >= 10;
```