```
-- What is the proportion of female students?= 1.53
- SELECT gender,
- ROUND((SELECT ROUND(COUNT(*),2) FROM cd.statcrunchsurvey WHERE gender='Female') /
- (SELECT ROUND(COUNT(*),2) FROM cd.statcrunchsurvey WHERE gender='Male'),2)
                 FROM cd.statcrunchsurvey
WHERE gender='Female'
GROUP BY gender;
 -- "gender" "ratiomalefemale"
-- "Female" 1.53
 — How are the students distributed across the classes of
——First Year, Sophomore, Junior, and Senior classes?
-- SELECT class,
-- (SELECT ROUND(COUNT(*),2) FROM cd.statcrunchsurvey WHERE class=1) as Freshman,
-- (SELECT ROUND(COUNT(*),2) FROM cd.statcrunchsurvey WHERE class=2) as Sophomore,
-- (SELECT ROUND(COUNT(*),2) FROM cd.statcrunchsurvey WHERE class=3) as Junior,
-- (SELECT ROUND(COUNT(*),2) FROM cd.statcrunchsurvey WHERE class=4) as Senior
-- FROM cd.statcrunchsurvey
-- GROUP BY class
-- ORDER BY class
 -- "class" "freshman" "sophomore" "junior" "senior"
-- 1 309.00 215.00 243.00 233.00
-- What is the distribution of credit hours?
--Is the mean number of credit hours per student less than 15?
 -- SELECT DISTINCT class, sum(hours) as hrs
                  FROM cd.statcrunchsurvey
GROUP BY class
ORDER BY class;
 -- "class" "hrs"
                           3071
                           3136
-- SELECT DISTINCT class, avg(hours) as hrs

-- FROM cd.statcrunchsurvey

GROUP BY class

-- ORDER BY class;
        "class" "hrs"
                          14.53
14.28
                           13.46
 -- What proportion of students work? 1.54 For students who work,
              -describe the relationship between weekly hours worked and credit hours.

    SELECT ROUND(avg(hours), 2) as hours,
    ROUND(avg(work), 2) as work
    FROM cd.statcrunchsurvey

 -- where work > 0:
    — What proportion of students have loans? Approx 1:1. Characterize the distribution of loan
         -- SELECT ROUND(count(loans),2) as loans
-- FROM cd.statcrunchsurvey
         -- where loans > 0;
     ----Check if gender and/or class impact this distribution.
--- SELECT SUM(loans) as Total_debt,
--- (SELECT ROUND(SUM(loans),2) FROM cd.statcrunchsurvey WHERE class=1) as Freshman,
--- (SELECT ROUND(SUM(loans),2) FROM cd.statcrunchsurvey WHERE class=2) as Sophomore,
--- (SELECT ROUND(SUM(loans),2) FROM cd.statcrunchsurvey WHERE class=3) as Junior,
--- (SELECT ROUND(SUM(loans),2) FROM cd.statcrunchsurvey WHERE class=4) as Senior,
--- (SELECT ROUND(SUM(loans),2) FROM cd.statcrunchsurvey WHERE gender='Male') as Male,
--- (SELECT ROUND(SUM(loans),2) FROM cd.statcrunchsurvey WHERE gender='Female') as Female
          -- FROM cd.statcrunchsurvey
 -- "total_debt" "freshman" "sophomore" "junior" "senior" "male" "female" 
-- 4871057 562017.00 927221.00 1598263.00 1783556.00 1800692.00 3070365.00
 -- What proportion of students have credit card debt?
--- For students with debt, check if debt is influenced by any of the other variables.
                  eti
ROUND((SELECT ROUND(COUNT(*),2) FROM cd.statcrunchsurvey WHERE ccdebt>0) /
(SELECT ROUND(COUNT(*),2) FROM cd.statcrunchsurvey WHERE ccdebt=0),2)
AS ccdebt_ratio
FROM cd.statcrunchsurvey
                  LIMIT 1;
 -- "ccdebt_ratio"
-- SELECT SUM(ccdebt) as Total_CCdebt,

(SELECT ROUND(SUM(ccdebt),2) FROM cd.statcrunchsurvey WHERE class=1) as Freshman,

(SELECT ROUND(SUM(ccdebt),2) FROM cd.statcrunchsurvey WHERE class=2) as Sophomore,

(SELECT ROUND(SUM(ccdebt),2) FROM cd.statcrunchsurvey WHERE class=3) as Junior,

(SELECT ROUND(SUM(ccdebt),2) FROM cd.statcrunchsurvey WHERE class=4) as Senior,

(SELECT ROUND(SUM(ccdebt),2) FROM cd.statcrunchsurvey WHERE gender='Male') as Male,

(SELECT ROUND(SUM(cdebt),2) FROM cd.statcrunchsurvey WHERE gender='Female') as Female
          FROM cd.statcrunchsurvey
 -- I TMTT 1:
 -- "total_ccdebt" "freshman" "sophomore" "junior" "senior" "male" "female"
-- 2983664 356806.00 524565.00 927087.00 1175206.00 1369667.00 1613997.00
```