

1. Show all of the fields in the students table for student named Hayley
2. Show the total amount paid for only Joe and Jill
3. Show all the fields for students in year 11, or students in year 12 who have paid less than $100
4. Show only the students that have any contact details records
5. Show all the students, as well as the students who have contact details recorded
6. Show the amount paid and year level for any student with a “yahoo.com” email address
7. How much has been paid in total
8. What is the minimum amount that has been paid
9. The total cost of the formal is $150. Show a list of student names and how much each student still owes.
10. Count the number of students who have paid more than $100
11. Count the number of students (*grouped by each grade*) who have paid more than $100
12. Work out the average amount that all students in each grade have paid.
13. Work out the average amount that all students in each grade have paid, but exclude grades that have an average amount less than $125
14. Show all the fields for students in year 11, or students in year 12 who have paid more than $100. Order the result by amount paid DESC, then student name ASC
15. Show the COUNT of a list of DISTINCT amounts paid
16. Antoni handed in $35 more than what he has currently paid. Show a list of students that have still paid more than Antoni. **Use a correlated subquery**.
17. Show only the COUNT of students in each year level. ALIAS the single column as “*n*”
18. For “*n*” in query #17 (previous question), LIMIT this to the highest number in the column
19. Get the same result from query #18 but this time **use a correlated subquery**. (**HARD**)
20. How much less has year 11 paid in total than year 12. (**THIS QUERY IS TOO HARD**)

SELECT COUNT(year) AS "n"  
FROM students  
GROUP BY year  
ORDER by n DESC  
LIMIT 1

SELECT MIN(n)  
FROM (  
 SELECT COUNT(year) AS "n"  
 FROM students  
 GROUP BY year  
)

SELECT x - y  
FROM (  
 (SELECT SUM(paid) AS "x"  
 FROM students  
 WHERE year == 11)  
JOIN   
 (SELECT SUM(paid) AS "y"  
 FROM students  
 WHERE year == 12)  
)