Introduction to Computer Science and Programming

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Report – Final Project

1. The problem statement:
   - Test performance of students
2. The 10 questions for the input data:
   i. What is the highest scores of each subject among all students, the lowest, and the mean scores?
   ii. How many students pass or fail the exam?
   iii. Which type of lunch is the most popular for the students?
   iv. Which gender performs better at test in overall?
   v. Boy or girls attends the test preparation course more before the test?
   vi. Which ethnicity group has the largest percentage of students passing the subject?
   vii. Parents with which level of education have the higher pass rate of students? Does parental level of education affect the result of the children?
   viii. How does the parental level of education impact on the Math score of students? At which level, their children acquire excellent or good Math score?
   ix. How many students pass the exam with the good marks and have good preparation before the test?
   x. How the ethnicity impacts on the pass rate of students with each subject? How do these groups compare to each other in this field?