

CS111 Extra Credit#7 (2 points)

Name your file **ec7.cpp**

1. Your program reads in the data from [ec7.txt](#).
2. The program then calculates CS111 lab score using the following formula:

$$\text{labScore} = \text{hwSum} + \text{quizSum}$$

- hwSum is the sum of the best 10 out of 13 homework scores
- quizSum is the sum of the best 10 out of 12 quiz scores

Note: If the final lab score is over 30, it should set the final lab score as 30.

3. Lastly, name and final lab score should be saved to a file named labScore.txt.

Output saved in labScore.txt:

```
Student1 21.98
Student2 22.86
Student3 9.83
Student4 19.06
Student5 21.16
Student6 22.73
Student7 24.68
Student8 18.41
Student9 14.56
Student10 27.24
```

EC7.txt input file columns:

Name	Test Scores (12 of them)												Homework Scores (13 of them)												
Student1	0.8	0.75	0	0.25	0	0.27	0.4	0.4	0.53	0.58	0	0.6	2	1	1.7	1.9	1.5	1.5	1.8	1.3	0	1.7	1.8	1.6	1.9
Student2	0.9	0	0.7	0.66	0.4	0.69	0.55	0	0.8	0.63	0.53	0.1	2	1.8	1.9	2	1.2	0	1.7	1.5	0	0	1.3	1.8	1.7

...