

ACOM1900 Intro. to Programming:

Coursework 1 Feedback

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with thanks to Tony Jenkins & Nick Efford
(CR11 and previous ACOM1900 material)

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Overview

- Mean 14.2 (out of 30)
- Basics
 - Professionalism
 - don't leave until last minute!!
 - ask for help!
 - comments etc. generally good (more?)
 - Times add up?
- How to
 - why does my programme crash/do what I expected?
 - add up leg times
 - order results
- Efficiency

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Sample solution (1)

- Read file one line at a time
- Divide input into name, time, etc.
- Is this 1st runner for team?
 - initialise/add time
- Output
 - hours/mins/secs
 - order
- Diagnostics
 - check output at every stage
 - is it what I expected?

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Sample solution (2)

```
#!/usr/bin/python

inputFile=open('cw1-results.csv','r') # Open the results file
lineNum = 0 # No. lines read in
teams = [] # List of teams
times = [] # List of teams' total times

for line in inputFile: # Loop over lines in file
    # WHAT NEXT???
    # What does 'line' contain?
    # How to access each element?
    # Data types?
```

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Efficiency

- Beware of loops-within-loops
 - How many times is inner loop(s) executed?

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