Introduction to: Computers & Programming: Post-Midterm 1 Review

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Summary

• Some Procedural Matters
• Select 009 Test Problems
• Select 004 Test Problems
# Grading Curve

<table>
<thead>
<tr>
<th>Raw Score</th>
<th>Letter Score</th>
<th>Raw Score</th>
<th>Letter Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>93 and above</td>
<td>A</td>
<td>89 and above</td>
<td>A</td>
</tr>
<tr>
<td>88 and above</td>
<td>A-</td>
<td>84 and above</td>
<td>A-</td>
</tr>
<tr>
<td>84 and above</td>
<td>B+</td>
<td>80 and above</td>
<td>B+</td>
</tr>
<tr>
<td>78 and above</td>
<td>B</td>
<td>75 and above</td>
<td>B</td>
</tr>
<tr>
<td>74 and above</td>
<td>B-</td>
<td>71 and above</td>
<td>B-</td>
</tr>
<tr>
<td>70 and above</td>
<td>C+</td>
<td>67 and above</td>
<td>C+</td>
</tr>
<tr>
<td>66 and above</td>
<td>C</td>
<td>63 and above</td>
<td>C</td>
</tr>
<tr>
<td>62 and above</td>
<td>C-</td>
<td>55 and above</td>
<td>C-</td>
</tr>
<tr>
<td>55 and above</td>
<td>D</td>
<td>50 and above</td>
<td>D</td>
</tr>
<tr>
<td>Below 55</td>
<td>F</td>
<td>Below 50</td>
<td>F</td>
</tr>
</tbody>
</table>
Raw Score vs Letter Score

• Only the Letter Score counts for purposes of the final grade, e.g., there is no difference between a 71 and a 73 if both are part of the same range.

• It is only worth haggling over your grade if:
  – the change in score will effect your letter grade, e.g.,
    • raw score is 91 (an A-) and discrepancy is worth 2 point
    • discrepancy is worth 5-10 points
    • Etc.

• Of course, understanding everything you got wrong is important regardless of the grade.
Grading Considerations

• Final_Grade=\((.05 \times \text{quizzes})+ (.2 \times \text{HW}) + (.2 \times \text{Mid1})+ (.2 \times \text{Mid2})+ (.35 \times \text{Final})\)
  – Each of these numbers are letter grades from F to A (i.e., 0 to 4)

• If you missed 1 midterm:
  – Final_Grade=\((.05 \times \text{quizzes})+ (.2 \times \text{HW}) + (.3 \times \text{Mid2})+ (.45 \times \text{Final})\)
  – If you scored better on your second midterm than the first, I will handle it this way also.

• Basically final grades these average numbers translate into the corresponding letter grades (1=D, 2=C, 2.7=B-, 3.0=B, 3.3=B+, 3.7=A-, 4.0=A)
  – Numbers in between are rounded up or down
  – Rounding preferences: Final Exam; did you do HWs?; Class Participation, ...

• **Main purpose of final grade:** Indicator of state of knowledge at end of class.

• **Administrative purpose:** Allow qualified students to progress to higher level CS classes. C is the minimum if you want to take the JAVA programming class. A or A- is recommended if you want to be a CS major.
The Tests in PDF form
Answers as PY files

• 011 test:
  – http://cs.nyu.edu/courses/fall16/CSCI-UA.0002-007/midterm2_version1.py

• 007 test:
  – http://cs.nyu.edu/courses/fall16/CSCI-UA.0002-007/midterm2_version2.pdf
  – http://cs.nyu.edu/courses/fall16/CSCI-UA.0002-007/midterm2_version2.py
Minor Issues

• I took off 1 or 2 points for minor issues
• Examples:
  – Print statements remove quotes from strings
  – Print statements print lists as is (including quotes of strings inside the lists)
  – Statements like print(object1, object2) will print both objects
  – Etc.
Going Over the Answers

• Please feel free to stop me for further questions