This is CS 50. Harvard College’s Introduction to Computer Science I

COMPUTER SCIENCE 50

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## Prior Coursework in CS

<table>
<thead>
<tr>
<th>Prior Coursework</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>71.5%</td>
</tr>
<tr>
<td>1</td>
<td>19.6%</td>
</tr>
<tr>
<td>2</td>
<td>6.2%</td>
</tr>
<tr>
<td>3</td>
<td>2.1%</td>
</tr>
<tr>
<td>4</td>
<td>0.3%</td>
</tr>
<tr>
<td>5</td>
<td>0.3%</td>
</tr>
</tbody>
</table>
## Workload for Students

<table>
<thead>
<tr>
<th>Workload Range</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 5 hours</td>
<td>4.0%</td>
</tr>
<tr>
<td>5 - 10 hours</td>
<td>38.4%</td>
</tr>
<tr>
<td>10 - 15 hours</td>
<td>33.3%</td>
</tr>
<tr>
<td>15 - 20 hours</td>
<td>17.4%</td>
</tr>
<tr>
<td>20+ hours</td>
<td>6.9%</td>
</tr>
</tbody>
</table>
Workload for TFs

![Graph showing actual hours per week as reported by each TF]
O, hai!

0: Scratch
2: Crypto
3: Game of Fifteen
4: Sudoku
im in ur crime scenz

5: Forensics
Teh Computer Science 50 learnz you about intertubes in teh cloudz. David J. Malan will pwn u ftw so watch out!

6: Mispellings
7: C$50 Finance
Address:
1 Oxford St
Cambridge, MA 02138

Get directions: To here - From here
Search nearby - Save to My Maps
Edit

8: Mashup
#include <stdio.h>

int
main(int argc, char *argv[])
{
    printf("hello, world\n");
}
Grading Axes

- Correctness
- Design
- Style
Grading Scale

- Poor (1)
- Fair (2)
- Good (3)
- Better (4)
- Best (5)
Tablets Considered

- Fujitsu LifeBook T2010
- Fujitsu LifeBook T4220
- Toshiba M400 Series
- Toshiba M700 Series
- Toshiba R400 Series
- HP Pavillion tx2000z Series
- Lenovo ThinkPad X Series
- Dell Latitude XT
Tools Used

- Acrobat Pro

- BlueBeam PDF Revu

- ZoomIt
A Graded PDF

```c
#include <stdbool.h>
#include <stdio.h>
#include <stdlib.h>
#include <string.h>

#include "dictionary.h"

bool check(const char *word) {
    // defines node variable and string to copy to node *n;
    char cword[46];

    // copies word
    strcpy(cword, word);

    // turns everything lower case
    for (int i = 0; i < strlen(cword); i++) {
        if (cword[i] >= 'A' && cword[i] <= 'Z')
            cword[i] = cword[i] + CONV;
    }

    // if nothing at hash value, return true
    if (hashtable[hash(cword)] == NULL)
        return false;
    
    // do you need this? will the for loop not take care of it anyway?
}
```
Most TFs spent less time grading
Almost half provided more feedback
Summary

- Most TFs spent less time grading.
- Many TFs provided more feedback.
- Enhanced demos in lectures and sections.
- Tablets absolutely worthwhile pedagogically, but still too expensive.
This is CS 50.  

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