

MIPS Assembly Language Programming

Programming Assignment # 2

100 points

Due: 11:59pm, Oct. 25, 2009

Modify the `to_upper.s` program from Lab #1 such that it accepts a string with a maximum of 30 characters from the keyboard consisting of alphabetical and non-alphabetical characters, as was the case in lab #1, and output a string containing only the alphabetical characters in uppercase contained in the input string. All non-alphabetical characters should be ignored. For example, if the input string is

```
A3Bc#D2ef5&:67~3g
```

The output of the program should be

```
Your string in all capitals is: ABCDEFG
```

You should modify **all** beginning documentation lines necessary to reflect the changes, including the Programmer, Due Date, Pseudocode, Register Usage, etc.

You must place **in-line comments** within the program everywhere you have made changes to the initial program. Each of your comments should be preceded by **####** to make it easy to find your modifications to the initial program.

Please email your code **as an attachment** to `eeecs355fall2009@gmail.com` by 11:59pm, Sunday, October 25. **20 points per day** will be **deducted** from your grade for late submissions. Students not submitting code by 11:59pm Tuesday, October 27, will receive a **zero** for the lab.