

# CSD321 Computer Systems Design

## Assignment #4

**No late turn-in accepted**

Redo the assignment #3. The only difference is the input source. Instead of the switches, take input from your computer (keyboard) via UART. The UART terminal on your PC should display the following menu for taking the keyboard input. Show the same menu after a selection for the next selection. You are free to use C, assembly or both (C + assembly mix).

<On Tera Term Terminal>

```
----- LED On Duration -----  
1. 100ms 2. 200ms 3. 300ms 4. 400 ms  
5. 500ms 6. 600ms 7. 700ms 8. 1 sec  
-----  
Select:
```

### What and How to submit:

1. Upload **your code (both C and assembly)** to Blackboard.
2. Upload **video clip (3-min?)** to YouTube and provide the link to Blackboard. Your video clip should have **at least** the following contents:
  - Your smiling face
  - Understandable explanation of your C and assembly code
  - Demo on Zedboard with Tera Term terminal

Note: This is an individual assignment. You are welcome to discuss, but **DO NOT COPY** solutions. If you are found to copy solutions from others or slightly modify the solutions from others, both of you will be given 0 credits.