

# 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 UART on the PC side (PC keyboard). The UART terminal on the PC side should display the following menu for taking input. Show the same menu after a selection for the next selection. Make your own decision on the language selection (C and assembly). That is, which parts are designed with C, and which parts with assembly.

<On Tera Term Terminal>

```
----- LED On Period -----  
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 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.