

# Lab #9

## Program Design

### Instructions:

WELL DONE! You have reached the last lab, this lab is about student life, I've given you the pseudocode for student life, *in groups of three or four students*, express this pseudocode as flowcharts. Draw the flowcharts in Powerpoint and printscreen them into your portfolio.

**Submission:** In the same Word document you have with all your labs and tutorials:

PROGRAM-DESIGN-PORTFOLIO.DOCX (or .DOC)

add in the new flowchart, and the names of the people in your group. e-mail your document to [Damian.Gordon@dit.ie](mailto:Damian.Gordon@dit.ie) with a subject heading of PROGRAM DESIGN LAB #9 and in the message of your e-mail please let me know your full name, your student number, the name of your programme, the programme code, the name of the module, the year you are in (first year), and your assignment.

**PLEASE NOTE: If you do not have the correct subject heading on your e-mail, or the correct filename, your submission WILL be rejected.**

**Marking:** Please note, this tutorial is due for submission today at the end of this session. Each of these tutorials contributes to your final result in this module, so it's best to get the earlier ones done as well as you can, because as the labs continue on they will get harder, so you might as well pick up the easy marks early on.

*"Study hard what interests you the most in the most undisciplined, irreverent and original manner possible."* - Richard P. Feynman

The PseudoCode for student life is

```
PROGRAM StudentLife:
AssignmentsToDo = TRUE;  /* Assume you have more assignments
to do */

CurrentAssignment = First Assignment;
/* Send requests to everyone */
WHILE (AssignmentsToDo == TRUE)
    DO IF (CurrentAssignment counts for more than 20%)
        THEN WHILE (CurrentAssignment is not done)
            DO Keep Working on it;
            ENDWHILE;
        ELSE Do enough to pass CurrentAssignment;
    ENDIF;
    Eat;
    Sleep;
    CurrentAssignment = Next Assignment;
    IF (CurrentAssignment == NULL)
        THEN AssignmentsToDo = FALSE;
    ENDIF;
ENDWHILE;

/* If no more assignments, study for exams */
WHILE (More Notes to Read)
    DO Read Notes using SQR3;
    Create Acrostics;
    Summarise Notes;
    Make Mindmaps;
ENDWHILE;

END.
```

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