

## Deadline

Thu Jun 10 17:00:00 SGT 2004

## Learning Keywords

signal

## Your Task

In this assignment you are required to re-implement your Programming Assignment 1 (the one that calculates  $\pi$ ) with two changes, (i) instead of printing the value of  $\pi$  every 100 iterations, your program should print the value at the end of the 1,000,000,000 iterations, and (ii) if an impatient user interrupts the program with Control-C, your program should print the value computed so far (so that all the work is not wasted!), and then quit.

You don't have to worry about re-entrant functions and concurrency issues for this assignment.

## Submission Requirement

Make sure you have read the submission instruction document posted on CS2281 website. For this assignment, create a subdirectory under `$HOME/CS2281_LABS/` called `a7` and put all your submissions under the subdirectory. You are required to submit the C program which must be named `pi.c` and the `Makefile` you used to compile `pi.c`. Include your name as a comment in the *first* line of the file. I will access your homework using pathname `$HOME/CS2281_LABS/a7/pi.c.pgp` and `$HOME/CS2281_LABS/a7/Makefile.pgp`. It is your responsibility to make sure that the filenames are correct and permissions are set properly according to the instructions given.