

# 1 ASSIGNMENT III

Due Date: May 25, 2011 11:55pm

- In this assignment, your task is to develop a simple shell application.
- Template c file for the assignment has been given ([assignment3\\_template.c](#)).
- This shell is expected to have the following capabilities:
  - Display help text about commands (already given),
  - Display the current working directory name,
  - Display a list of all available files (with their types) in the working directory,
  - Display a list of only regular files in the working directory,
  - Display a list of only directories in the working directory,
  - Run a program within the shell (shell should not terminate after execution),
  - Change the current working directory,
  - Display information about a given filename (size, type, etc),
  - Change file mode,
  - Keep a history of previously entered commands in a text file.
- Your task is to implement the empty functions in the file.
- Do not use `system()` function.
- Use `execl` [`/execlp/execl`/`execv`/`execvp`] only in `runCommand()` function.