

Northern Michigan University (Marquette Co, MI)

CS426-01-26F: iOS / iPhone Programming (Andrew A. Poe) Name: _____
Quiz 1

Friday 4 September 2026 3:00 P.M. EDT

Time: 15 minutes.

Write a complete program in C asks the user to enter a program name. Then the program should start a child process running that program with "A" as its argument. After the child is completed, the parent run that program a second time with "B" as its argument. After the second child is completed, the parent should end. Other than the scanf you will need to read in the program name, only low level system calls should be used.

```
#include <stdio.h>
#include <string.h>
#include <stdlib.h>
#include <unistd.h>
#include <sys/wait.h>

int main (int argc, char **argv) {

    char fname[500];
    printf ("Enter program name: ");
    scanf ("%s", fname);
    int pid=fork();
    if (pid==0) execl (fname, fname, "A", NULL);
    else wait (NULL);
    int pid=fork();
    if (pid==0) execl (fname, fname, "B", NULL);
    else wait (NULL);
    return 0;
}
```