Lab-3

Program to perform fork () system call to create child processes

```c
#include <stdio.h>

#include <stdlib.h>

#include <sys/types.h>

#include <sys/wait.h>

#include <unistd.h>

int main(void) {
  for(int i = 1; i <= 3; i++) {
   pid_t pid = fork();


   if(pid == 0) {
    printf("Child process PPID=%d, PID=%d\n", getppid(), getpid());
    exit(0);
   }
   else  {
    printf("Parent process PID=%d\n", getpid());
    printf("Waiting for child processes to finish\n");
    wait(NULL);
    printf("child process finished.\n");
   }
  }

  return 0;
}
```

Output:

```
Parent process PID=629
Waiting for child processes to finish
Child process PPID=629, PID=633
child process finished.
Parent process PID=629
Waiting for child processes to finish
Child process PPID=629, PID=634
child process finished.
Parent process PID=629
Waiting for child processes to finish
Child process PPID=629, PID=635
child process finished.
```

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