

## 1.PROCESS IDENTIFIER

```
#include <stdio.h>

#include <unistd.h> // for fork, getpid, getppid
#include <sys/types.h>

int main() {
    int pid;
    char name[50];
    printf("Enter your name: ");
    scanf("%s", name);
    pid = fork(); // create a new process

    if (pid < 0) {
        printf("Fork failed!\n");
    }
    else if (pid == 0) {
        printf("\n--- Child Process ---\n");
        printf("Hello %s, this is the Child process.\n", name);
        printf("Child PID: %d\n", getpid());
        printf("Parent PID: %d\n", getppid());
    }
    else {

        printf("\n--- Parent Process ---\n");
        printf("Hello %s, this is the Parent process.\n", name);
        printf("Parent PID: %d\n", getpid());
        printf("Child PID: %d\n", pid);
    }

    return 0;
}
```