

#MANDIRA BARVE - TIA03

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

int main() {
    pid_t child_pid = fork();

    if (child_pid < 0) {
        perror("Fork failed");
        return 1;
    }

    if (child_pid == 0) {
        // Child process
        printf("Child process executing...\n");
        exit(0);
    } else {
        // Parent process
        printf("Parent process created child with PID: %d\n", child_pid);
        sleep(5); // Parent sleeps for a while to allow the child to exit and become a zombie
        printf("Parent process exiting...\n");
    }

    return 0;
}
```

=====OUTPUT=====

```
❏(ghost kali)-[~/OS]
❏$ ./a.out
Parent process created child with PID: 5631
Child process executing...
Parent process exiting...
```

```
❏(ghost kali)-[~/OS]
❏$
```