

C++ Code

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1 // Name- Sushant Didwagh
2 // PRN - 123B1D016
3
4
5 #include <stdio.h>
6 #include <unistd.h>
7 #include <string.h>
8
9 int main() {
10
11     int fd[2];           // fd[0] = read end, fd[1] = write end
12     pid_t pid;
13     char write_msg[] = "Hello from Parent!";
14     char read_msg[100];
15
16     pipe(fd);           // Step 1: Create pipe
17
18     pid = fork();        // Step 2: Create child process
19
20     if (pid > 0) {      // Parent process
21         close(fd[0]);   // Close read end
22         write(fd[1], write_msg, strlen(write_msg)+1); // Write to pipe
23         close(fd[1]);
24     }
25
26     else {              // Child process
27         close(fd[1]);   // Close write end
28         read(fd[0], read_msg, sizeof(read_msg)); // Read from pipe
29         printf("Child received: %s\n", read_msg);
30         close(fd[0]);
31     }
32
33     return 0;
34 }
35
```