Write a C program that will create a child process. Then modify

the value of a globally defined variable from the child process and

print the value of the variable from the parent process

#include <stdio.h>

#include <stdlib.h>

#include <unistd.h>

// Global variable

int global\_var = 10;

int main() {

pid\_t child\_pid;

// Create a child process

child\_pid = fork();

if (child\_pid < 0) {

fprintf(stderr, "Fork failed.\n");

return 1;

} else if (child\_pid == 0) {

// Child process

printf("Child Process - Before Modification: Global Variable = %d\n", global\_var);

global\_var = 20; // Modify the global variable in the child process

printf("Child Process - After Modification: Global Variable = %d\n", global\_var);

} else {

// Parent process

printf("Parent Process - Before Modification: Global Variable = %d\n", global\_var);

// Wait for the child process to finish

wait(NULL);

printf("Parent Process - After Modification by Child: Global Variable = %d\n", global\_var);

}

return 0;

}