1. Create a new process by invoking the appropriate system call. Get the process identifier of the currently running process and its respective parent using system calls and display the same using a C program

PROGRAM

#include <stdio.h>

#include <stdlib.h>

#include <sys/types.h>

#include <sys/wait.h>

#include <unistd.h>

int main(void) {

pid\_t pid = fork();

if(pid == 0) {

printf("Child => PPID: %d PID: %d\n", getppid(), getpid());

exit(EXIT\_SUCCESS);

}

else if(pid > 0) {

printf("Parent => PID: %d\n", getpid());

printf("Waiting for child process to finish.\n");

wait(NULL);

printf("Child process finished.\n");

}

else {

printf("Unable to create child process.\n");

}

return EXIT\_SUCCESS;

}

Input And Output

