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Course: Operating Systems  
Course Code: CSA0403  
Experiment No.: 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.

**AIM:**  
The aim of this program is to create a new process using the fork() system call and to obtain the process identifier (PID) of the currently running process as well as its parent process identifier (PPID) using system calls, and display them on the screen.

## ****ALGORITHM****

1.Start the program.

2.Call the fork() system call to create a new process.

If fork() returns a **negative value** → process creation failed.

If fork() returns **zero** → this is the **child process**.

If fork() returns a **positive value** → this is the **parent process**.

3.In both processes (parent and child), call:

getpid() to get the PID of the current process.

getppid() to get the PPID (parent process ID).

4.Print the PID and PPID for both parent and child.

5.End the program.

PROGRAM / OUTPUT:

