Experimemt No. 4

**AIM :** To create a child process in linux using the fork system call. Obtain the process ID of both child and parent by using getpid and getppid system call.

**Program:**

#include <stdio.h> #include <unistd.h> // for fork(), getpid(), getppid()

int main(){

pid\_t pid = fork(); // Create a child process

if (pid < 0) {

// If fork() returns a negative value, the fork failed

perror("Fork failed"); return 1;

}

else if (pid == 0) {

// This block is executed by the child process

printf("Child Process:

\n");

printf("Child PID =

%d\n", getpid()); printf("Child PID =

%d\n", getpid());

}

else{

// This block is executed by the child process

printf("Child Process:

\n");

printf("Child PID =

%d\n", getpid()); printf("Child PID =

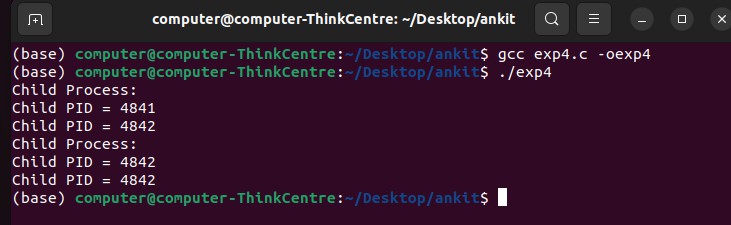
%d\n", pid);

}

return 0;

}

**Output:**

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