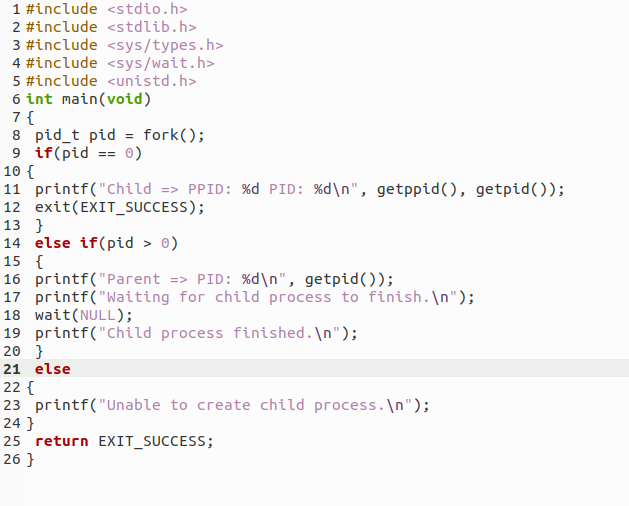
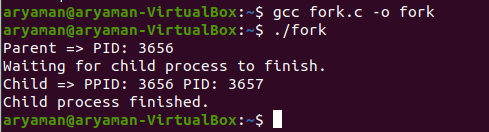
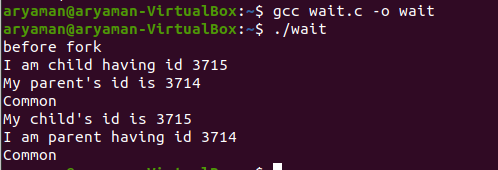
ARYAMAN MISHRA

19BCE1027









#include<stdio.h>

int main()

{

for(int i=0;i<5;i++) // loop will run n times (n=5)

{

if(fork() == 0)

{

printf("[son] pid %d from [parent] pid %d\n",getpid(),getppid());

exit(0);

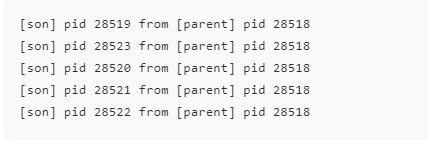
}

}

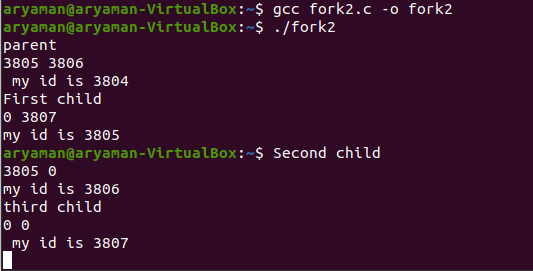
for(int i=0;i<5;i++) // loop will run n times (n=5)

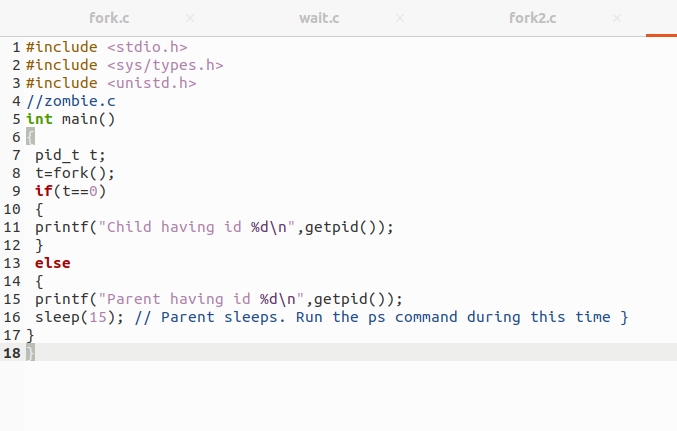
wait(NULL);

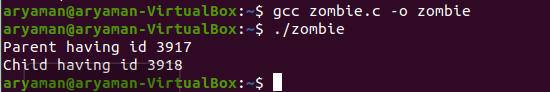
}

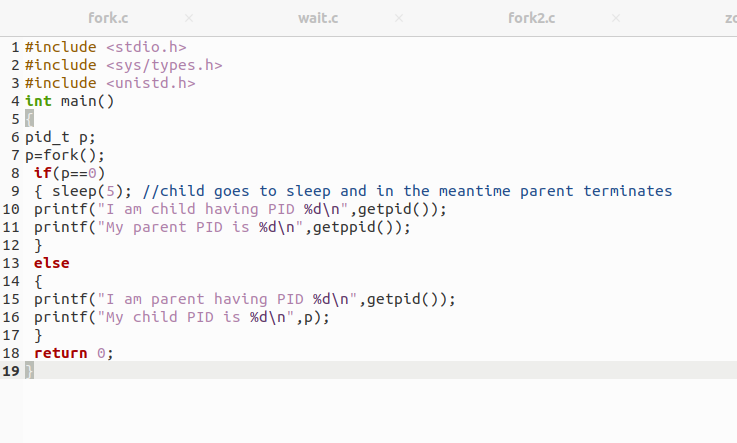


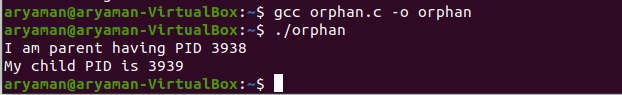














**A simple C program to demonstrate use of pthread basic functions**

#include <stdio.h>

#include <stdlib.h>

#include <unistd.h> //Header file for sleep(). man 3 sleep for details.

#include <pthread.h>

// A normal C function that is executed as a thread

// when its name is specified in pthread\_create()

void \*myThreadFun(void \*vargp)

{

sleep(1);

printf("Printing Aryaman from Thread \n");

return NULL;

}

int main()

{

pthread\_t thread\_id;

printf("Before Thread\n");

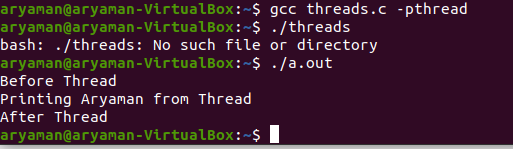
pthread\_create(&thread\_id, NULL, myThreadFun, NULL);

pthread\_join(thread\_id, NULL);

printf("After Thread\n");

exit(0);

}



**A C program to show multiple threads with global and static variables**

