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Batch: T8

## Assignment 2-B

CODE:

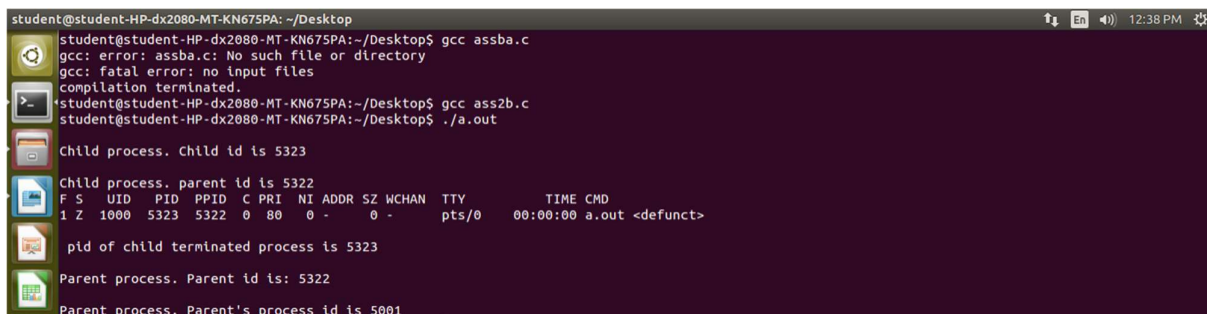
2-B: Zombie

CODE:

```
#include<stdio.h>
#include<stdlib.h>
#include<unistd.h>
#include<sys/types.h>
int main()
{
    int pid,i;
    pid = fork();
    if(pid==0)
    {
        printf("\nChild process. Child id is %d \n",getpid());
        printf("\nChild process. parent id is %d \n",getppid());
    }
    else
    {
        //zombie state
        system("ps -el | grep Z");
        i=wait(0);
        printf("\n pid of child terminated process is %d\n",i);

        printf("\nParent process. Parent id is: %d\n",getpid());
        printf("\nParent process. Parent's process id is %d\n",getppid());
        sleep(10);
    }
}
```

OUTPUT:



The screenshot shows a terminal window with the following output:

```
student@student-HP-dx2080-MT-KN675PA: ~/Desktop
student@student-HP-dx2080-MT-KN675PA:~/Desktop$ gcc assba.c
gcc: error: assba.c: No such file or directory
gcc: fatal error: no input files
compilation terminated.
student@student-HP-dx2080-MT-KN675PA:~/Desktop$ gcc ass2b.c
student@student-HP-dx2080-MT-KN675PA:~/Desktop$ ./a.out
Child process. Child id is 5323
Child process. parent id is 5322
  F S  UID    PID  PPID  C PRI  NI ADDR SZ WCHAN  TTY          TIME CMD
  1 Z   1000   5323   5322  0  80   0  -    0  -    pts/0    00:00:00 a.out <defunct>
pid of child terminated process is 5323
Parent process. Parent id is: 5322
Parent process. Parent's process id is 5001
```