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##Aim:
###Write a C/C++ program that creates a zombie and then calls system
to execute the ps command to verify that the process is zombie.
##Theory:
In unix terminology, a process that has terminated, but whose parent
has not yet waited for it, is called a zombie.<br>
*fork()*
Syntax:
<code>
\#include<unistd.h&qt;
pid_t fork(void);
</code>
fork() creates a new process by duplicating the calling process.
new process, referred to as the child, is an exact duplicate of
<em>Sleep()</em> : Delay for a specified amount of time.<br><br>
<em>System()</em>
Syntax:
<code>
\#include <stdlib.h&qt;
int system(const char *command);
</code>
 system() executes a command specified in command by calling /bin/
sh -c command, and returns after the command has been completed.
##Code:
       #include<stdio.h&qt;
       #include<unistd.h>
       #include<stdlib.h>
       int main()
       {
               int pid;
               if((pid=fork())<0)</pre>
                      printf("fork error\n");
               else if(pid==0)
                      _exit(0);
               sleep(2);
               system( "ps -o pid,ppid,state,tty,command");
               _exit(0);
       }
##0utput:
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  Open a terminal
  Change directory to the file location in the terminal
  Complile the program by using the command
       <code> cc usp-lab-07.c -o usp07.out</code>
  Run
       <code> usp07.out</code>
##Screenshots:
![not avialable](usp-lab-07.png)
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