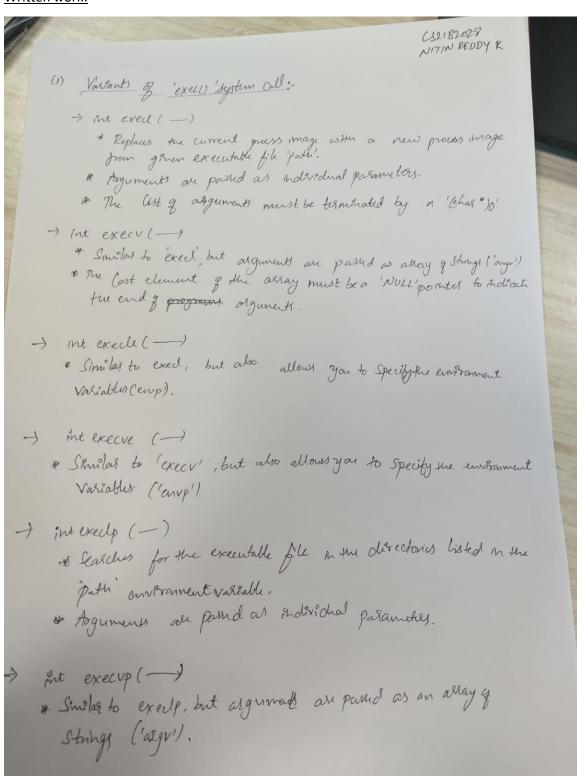
Written work:



* The soit Atoms of the telementaled child process is stored in (1) 'gidt wait (M "Status); A Ketury the prown 10 of the terminated child proun Variants of warth system all or superds execution of the calling process will am of its dild process NTINREDBY K

(2) pid-t unitpid (--):

to the ophon parameter can be used to customer the behaviour A Return the process 10 g the following child process is stated on Status! A superal execution of the conting process cross the dild proces

Codes:

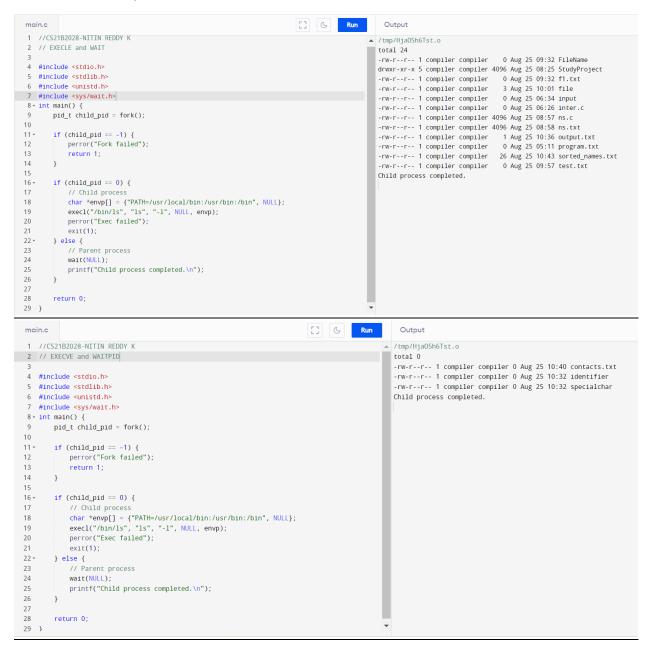
1)execl() and wait()

2)execv() and waitpid()

```
[] G Run
                                                                                                            Output
 1 //CS21B2028-NITIN REDDY K
 2 // EXECL and WAIT
                                                                                                           total 24
                                                                                                           -rw-r--r-- 1 compiler compiler 0 Aug 25 09:32 FileName
 4 #include <stdio.h>
                                                                                                           drwxr-xr-x 5 compiler compiler 4096 Aug 25 08:25 StudyProject
 5 #include <stdlib.h>
                                                                                                           -rw-r--r-- 1 compiler compiler 0 Aug 25 09:32 f1.txt
  6 #include <unistd.h>
                                                                                                           -rw-r--r-- 1 compiler compiler
                                                                                                                                               3 Aug 25 10:01 file
  7 #include <sys/wait.h>
                                                                                                           -rw-r--r-- 1 compiler compiler
                                                                                                                                               0 Aug 25 06:34 input
                                                                                                                                              0 Aug 25 06:26 inter.c
                                                                                                           -rw-r--r-- 1 compiler compiler
 9 - int main() {
                                                                                                           -rw-r--r-- 1 compiler compiler 4096 Aug 25 08:57 ns.c
      pid_t child_pid = fork();
                                                                                                           -rw-r--r-- 1 compiler compiler 4096 Aug 25 08:58 ns.txt
                                                                                                           -rw-r--r-- 1 compiler compiler
                                                                                                                                               1 Aug 25 10:36 output.txt
 12 -
         if (child_pid == -1) {
                                                                                                           -rw-r--r-- 1 compiler compiler
                                                                                                                                               0 Aug 25 05:11 program.txt
 13
             perror("Fork failed");
                                                                                                           -rw-r--r-- 1 compiler compiler
                                                                                                                                              26 Aug 25 10:43 sorted_names.txt
 14
             return 1;
                                                                                                           -rw-r--r-- 1 compiler compiler 0 Aug 25 09:57 test.txt
 15
                                                                                                           Child process completed.
 16
 17 -
         if (child_pid == 0) {
 18
             // Child process
              execl("/bin/ls", "ls", "-l", NULL);
 19
 20
             perror("Exec failed");
21
              exit(1);
22 +
         } else {
23
             // Parent process
             wait(NULL):
24
             printf("Child process completed.\n");
25
26
27
29 }
 1 //CS21B2028-NITIN REDDY K
                                                                                                 /tmp/HjaO5h6Tst.o
 2 // EXECV and WAITPID
                                                                                                 -rw-r--r-- 1 compiler compiler 0 Aug 25 09:32 FileName drwxr-xr-x 5 compiler compiler 4096 Aug 25 08:25 StudyProject
 4 #include <stdio.h>
 5 #include <stdlib.h>
6 #include <unistd.h>
                                                                                                 -rw-r--r-- 1 compiler compiler 0 Aug 25 09:32 f1.txt-rw-r--r-- 1 compiler compiler
                                                                                                   10:01 file
                                                                                                 -rw-r--r- 1 compiler compiler 4096 Aug 25 08:58 ns.txt
 7 #include <sys/wait.h>
 8 - int main() {
       pid_t child_pid = fork();
10
       if (child_pid == -1) {
                                                                                                 -rw-r--r-- 1 compiler compiler 1 Aug 25 10:36 output.txt
-rw-r--r-- 1 compiler compiler 0 Aug 25 05:11 program.txt
11 -
            perror("Fork failed");
13
                                                                                                 -rw-r--r-- 1 compiler compiler 26 Aug 25 10:43 sorted_names.txt
14
                                                                                                 -rw-r--r-- 1 compiler compiler
                                                                                                                                  0 Aug 25 09:57 test.txt
                                                                                                 Child process completed.
16 +
17
       if (child_pid == 0) {
           // Child process
           char *args[] = {"ls", "-1", NULL};
execv("/bin/ls", args);
perror("Exec failed");
19
20
21
            exit(1);
       } else {
    // Parent process
22 -
23
24
            waitpid(child_pid, NULL, 0);
25
            printf("Child process completed.\n");
26
27
28
       return 0:
```

3)execle() and wait()

4)execve() and waitpid()



5)execlp() and wait()

6)execvp() and waitpid()



7)wait()

8)waitpid()

