Exp# 1b   **wait system call**

Aim

To block a parent process until child completes using wait system call.

Algorithm

1. Create a child process using fork system call.
2. If return value is -1 then
   a. Print "Process creation unsuccessfull"
3. Terminate using exit system call.
4. If return value is > 0 then
   a. Suspend parent process until child completes using wait system call
   b. Print "Parent starts"
   c. Print even numbers from 0–10
   d. Print "Parent ends"
5. If return value is 0 then
   a. Print "Child starts"
   b. Print odd numbers from 0–10
   c. Print "Child ends"
6. Stop

Result

Thus using wait system call zombie child processes were avoided.