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Assignment No. 2

Process control system calls

AIM: The demonstration of fork exerce & wait system rouls along with zomble and exphan states:

a. Implend the C program in which main program accepts the integers to be stared. Main program uses the fork system roul to create a new process.

Called a child process. Parent process.

Sort the integers using sorting algorithm. & waits for child process using WAIT.

System roul to sort the integers using wait.

b. Implement the C program in which moin program accepts an array Moin program accepts an array R passes the parent process sorts an array R passes the sorted array to child process through the amount line anguments of EXECVE system Call the child process uses system Call the child process uses which display array in reverse ordered

objectives: To study

3. process control
Li. Zombie & orphan processes

THEORY :

A process is the basic active entity paocess . in most operating - system models. A process is a program in execution in memory or in other words, an instance of a progress in memory. Any program executed recetes o shell script, or any highly executable or any application -

Practice Assignments

Exeample 1 printing the process ID

> # include < stdia h > # moude < unistd h > int main ()

print ("The process 10 is / d/n".

gelpid ()):

print ("The parent process 10 is 1

d/n". (int) gelppid (1): retein 0: