

OS Assignment-4

Modified Files:

- defs.h
 - > int this i had told that the waitx is in the proc.c file.
- proc.c
 - > I had initialized the variables.
 - p->c_time = ticks;
 - p->rtime = 0;
 - p->etime = ticks;
 - p->wtime = 0;
- proc.h
 - > I extended the proc structure by declararing the variables.
- sysproc.c
 - > I had declared the sys_waitx funtion which takes two pointers as the arguments.
 - > It changes the two variables to wait time and run time and then it returns.
- syscall.h
 - > In this file i had given the syscall a number.
- Makefile
 - > I had created the a c file which creates a child process and then calls the the systemcall.
- user.h
 - > I had declared the syscall and type of arguments it takes.

- `usys.S`
 - > I declared it as a SYSCALL.
- `veeru.c`
 - > Here i had created a child and then i called the system call.
- `syscall.c`
 - > Here i declared the system call as the extern int and kept in the array.
- `trap.c`
 - > Here i had incremented the values of run time and etime when the process id in the running state.