Operating Systems - 2 : CS3523
Programming Assignment - 7 : Priority based Scheduling in xv6
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Part - 1:

Here, we are called to implement a system call named **setPriority,** for that we have to first add an attribute priority in the proc struct in the file proc.h. Here, we know that the priority is in the form of an integer.

Now we have to do all the steps necessary to add the system call to xv6

Changing syscall.h and adding the syscall name as

`#define SYS_setpriority 24`

Changing defs.h and users.h by adding the line

`int setpriority(int priority);`

Changing the proc.c file and adding the `setpriority` function to it.

In the setpriority function, the running process is called by the function `myproc()` and then search the page tables for the pid of the current process and then change the priority of the process.

Now, we have to change sysproc.c and add the