OPERATING SYSTEMS LAB

XV6
Set #3
Internal Examination

Question (Context count)

You have to modify the xv6 operating system to implement feature that counts the latest number of context switches that have occured since this process was called. There could be various implementation methods for this purpose discussed below. You have to choose anyone to implement counting the context switch.

Hint:
1. You will need to make changes in the process data structure in *proc.h* to keep count of the number of context switches.
2. Also, initialize the above counter to zero in the allocproc function in proc.c

3. One way to count the number of context switches is to modify the switchuvm function in *vm.c* .

Submission: You have to make a report in txt format. The report should contain:
1. The steps to reach the objective(s).
2. The main source code (copy and paste)
3. Screen shots of output(s).