

## Experiment 2 - Observe and understand the process map of the previous two lab programs (Experiment 6 and Experiment 7) using pmap command

```
vaibhav@ubuntu:~$ pmap -x 2590
2590:  ./a.out
Address      Kbytes    RSS    Dirty Mode  Mapping
000055cefac52000      4        4        0 r---- a.out
000055cefac53000      4        4        0 r-x-- a.out
000055cefac54000      4        4        0 r---- a.out
000055cefac55000      4        4        4 r---- a.out
000055cefac56000      4        4        4 rw--- a.out
000055cefb64000    132        4        4 rw--- [ anon ]
00007f6233213000     12         8        8 rw--- [ anon ]
00007f6233216000    160       160        0 r---- libc.so.6
00007f623323e000   1620      828        0 r-x-- libc.so.6
00007f62333d3000    352      128        0 r---- libc.so.6
00007f623342b000     16        16       16 r---- libc.so.6
00007f623342f000      8         8        8 rw--- libc.so.6
00007f6233431000      8         8        8 rw--- [ anon ]
```

```
vaibhav@ubuntu:~$ pmap -x 2639
2639:  ./a.out
Address      Kbytes    RSS    Dirty Mode  Mapping
000055cbafc0a000      4        4        0 r---- a.out
000055cbafc0b000      4        4        0 r-x-- a.out
000055cbafc0c000      4        4        0 r---- a.out
000055cbafc0d000      4        4        4 r---- a.out
000055cbafc0e000      4        4        4 rw--- a.out
000055cbb0a3e000    132         8        8 rw--- [ anon ]
00007f7e5c45d000     12         8        8 rw--- [ anon ]
00007f7e5c460000    160       160        0 r---- libc.so.6
00007f7e5c488000   1620     1036        0 r-x-- libc.so.6
00007f7e5c61d000    352      188        0 r---- libc.so.6
00007f7e5c675000     16        16       16 r---- libc.so.6
00007f7e5c679000      8         8        8 rw--- libc.so.6
00007f7e5c67b000     52        20       20 rw--- [ anon ]
00007f7e5c67d000      8         8        8 rw--- [ anon ]
```

```
vaibhav@ubuntu:~$ pmap -x 2679
2679:  ./a.out 2000 30
Address      Kbytes    RSS    Dirty Mode  Mapping
00005605cda41000      4         0        0 r---- a.out
00005605cda42000      4         4        0 r-x-- a.out
00005605cda43000      4         0        0 r---- a.out
00005605cda44000      4         4        0 r---- a.out
00005605cda45000      4         4        0 rw--- a.out
00005605cf92b000    132         4        4 rw--- [ anon ]
00007f18aaf00000 2048016 1491352 1491348 rw--- [ anon ]
00007f1927f04000    160         0        0 r---- libc.so.6
00007f1927f2c000   1620      252        0 r-x-- libc.so.6
00007f19280c1000    352        32        0 r---- libc.so.6
00007f1928119000     16         8        0 r---- libc.so.6
00007f192811d000      8         4        4 rw--- libc.so.6
00007f192811f000     52         4        4 rw--- [ anon ]
00007f192813b000      8         0        0 rw--- [ anon ]
```