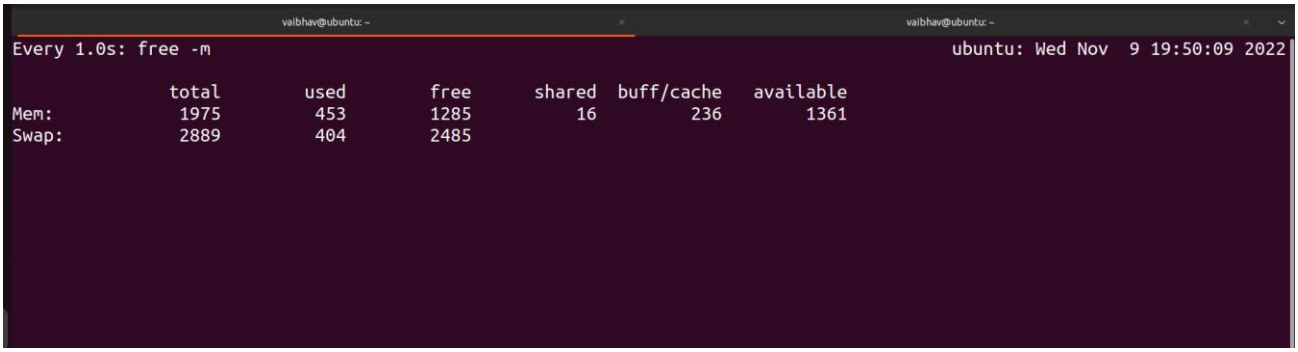
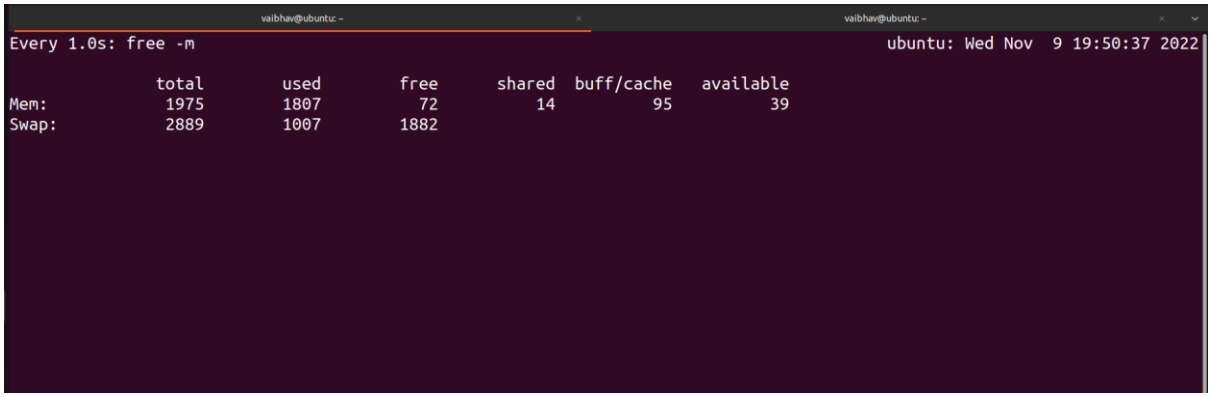
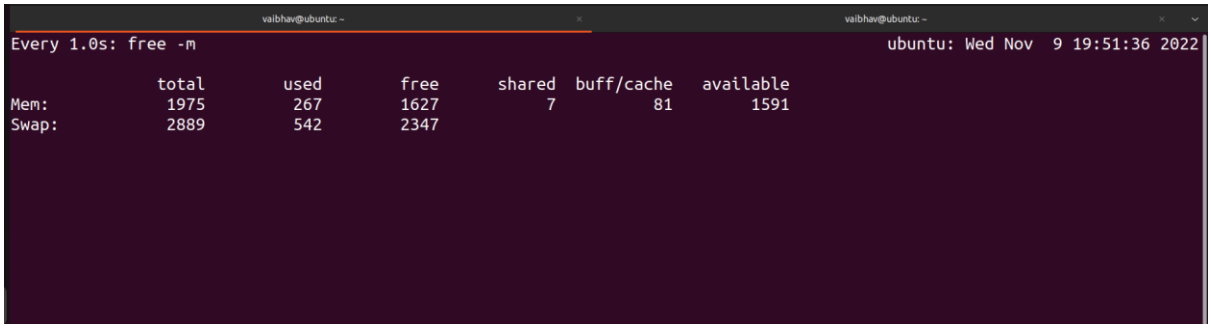
Write a C program that takes, as a command line argument, the number of megabytes of memory it will use and during execution it should consume that much memory. Observe memory usage during program execution using free command.






vaibhav@ubuntu: ~
vaibhav@ubuntu: ~
Every 1.0s: free -m
ubuntu: Wed Nov 9 19:51:36 2022
total used free shared buff/cache available
Mem: 1975 267 1627 7 81 1591
Swap: 2889 542 2347