→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.

```
sayeum@sayeum: ~/new/hello                    sayeum@sayeum: ~/new/hello

Every 1.0s: free -m                           sayeum: Wed Nov  9 21:21:16 2022

              total       used       free     shared  buff/cache   available
Mem:          10900        777       9241         38         882        9843
Swap:          2047          0       2047
```

```
sayeum@sayeum: ~/new/hello                    sayeum@sayeum: ~/new/hello

Every 1.0s: free -m                           sayeum: Wed Nov  9 21:22:39 2022

              total       used       free     shared  buff/cache   available
Mem:          10900       2796       7221         38         882        7823
Swap:          2047          0       2047
```

```
sayeum@sayeum: ~/new/hello                    sayeum@sayeum: ~/new/hello

sayeum@sayeum:~/new/hello$ gcc exp6.c
sayeum@sayeum:~/new/hello$ ./a.out 2000 30
Current Process ID = 5128
.....................(done)
sayeum@sayeum:~/new/hello$
```

```
sayeum@sayeum: ~/new/hello                    sayeum@sayeum: ~/new/hello

Every 1.0s: free -m                           sayeum: Wed Nov  9 21:23:25 2022

              total       used       free     shared  buff/cache   available
Mem:          10900        785       9233         38         882        9835
Swap:          2047          0       2047
```