Julia Wisnia, SID: 2096592657 Fragmentation //constructor called buffer[BUF SIZE] \0 \0 \0 \0 \0 \0 \0 \0 \0 \0 \0 \0 \0 \0 \0 \0 char* a=simple mem manager.allocate chars(3); \0 \0 \0 \0 \0 \0 \0 \0 \0 \0 \0 \0 \0 \0 char* b=simple mem manager.allocate chars(7); i \0 \0 F h \0 \0 \0 \0 \0 \0 \0 \0 char* c=simple mem manager.allocate chars(7); h \0 \0 \0 а simple mem manager.free chars(a); \0 \0 \0 F h \0 \0 \0 е С С h а р е char* d=simple mem manager.allocate chars(3) \0 \0 \0 h р а е simple_mem_manager.free_chars(b); е а \0 \0 \0 char* e=simple mem manager.allocate chars(8); Stack would remain the same, not 8 contiguous spots available. char* f=simple mem managers.allocate chars(3); t \0 \0 \0 \0 \0 \0 \0 t h h 0 а а е а