

# hw0505 bouns

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For global variable and static variable. When the program start, they will be initialised in memery, and it usually be allowed to use larger space.

However for local variable, it will be saved is stack segement of memery, and its size usually have been limited by the system. Besides, we can use command `ulimit -a` to check the upper limit. For instance, my virtual machine only accept 8192 KB(=8MB). If I claim a local variable `char str[10000000];` in my program. It's about 9.54 MB, and my system will warn segement fault and stop my program.