MEMORY MANAGEMENT IN C/C++

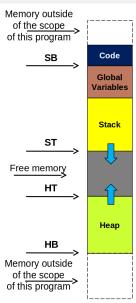
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Stack

- Allocation: implicit
- Deallocation: implicit

Heap

- Allocation: explicit
- Deallocation: explicit (with GC = implicit)

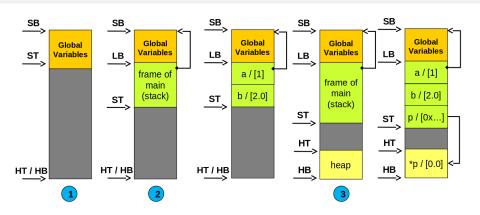




```
#include <iostream>
// global variables (1)
int main() {
   int a = 1; double b = 2; (2)
   double *p = new double(); 3
   *p = b; (4) *p = 4; (5)
   int *pa = &a; (6)
   *pa = 2; (7)
   std::cout << "a = " << a << ", b = " << b << std::endl;
   delete p; 8
   return 0;
```



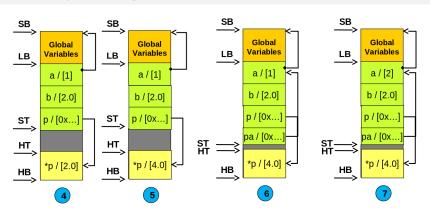








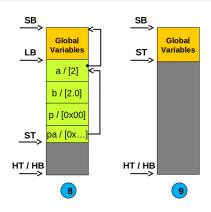
4/1







5/1







6/1

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