Main memory

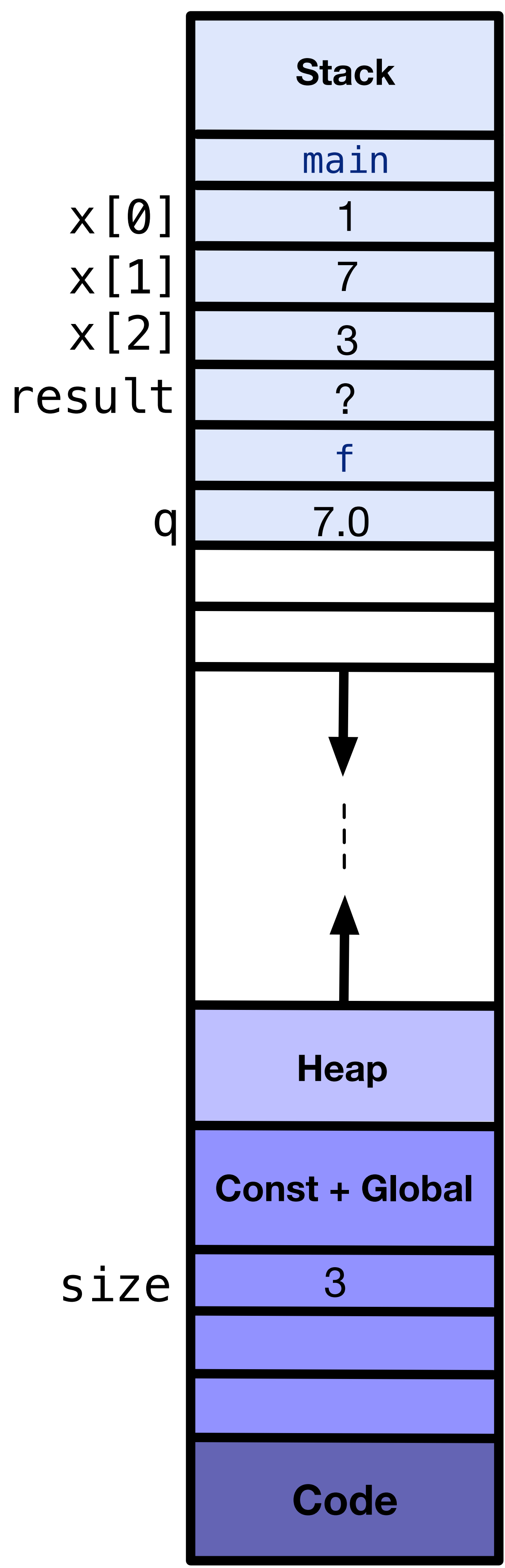|	
	Stack
	main
x[0]	1
x[1]	7
x[2]	3
result	?
	f
q	7.0
	Heap
	Const + Global
size	3
	Code

```c
1  #include <stdio.h>
2  double f(int[]);
3
4  int main(void) {
5      int x[3] = {1, 7, 3};
6      double result = f(x);
7      return 0;
8  }
9  double f(int list[]) {
10     double q = 7.0;
11     return q;
12 }
```

Point to the first element in the array

```c
int* myArray = (int*) malloc (5 * sizeof(int));
```

returns (void*) a pointer pointing to the first byte in the array

typecasts a (void*) to (int*)to point to the first element (not byte) in an array

number of elements in the array

number of bytes used to store an int