

Solution

Participation Activity 4

Last Name: _____

First Name: _____

Std #: _____

Memory Allocation Example

Where
does
everything
go?

```
#include ... Header files and associated code...

char hugeArray[1 << 31]; /* 231 = 2GB */
int global = 0;

int useless() { return 0; } Function code ...

int main ()
{
    void *ptr1, *ptr2;
    int local = 0;
    ptr1 = malloc(1 << 28); /* 228 = 256 MB*/
    ptr2 = malloc(1 << 8); /* 28 = 256 B*/

    /* Some print statements ... */
}
```

