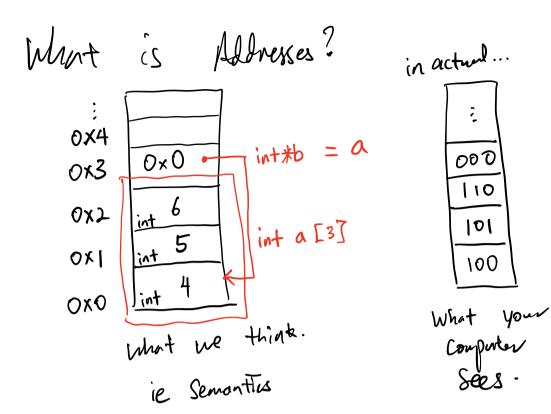
```
What is a Call
 long square(long x)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ctack?
                               return x*x;
double hypotenuse_of(long base, long height)
                               return sqrt(square(base) + square(height));
 int main()
                         \frac{2}{\sqrt{0S}} \Rightarrow \frac{1}{\sqrt{0S}} \Rightarrow 
                                                                                                                                                                                                                                                                                                                                                    main() what is a recusive call?

factoral (3)

factoral (2)

factoral (1)
      long factorial(long n) {
                 if (n == 0) {
                               return 1;
                 }
                 return factorial(n-1) * n;
     }
     int main() {
               factorial(3);
     }
```



```
void doThat(long a[], long b[]) {
    a[0] = 100;
    b[1] = 200;
    // Line A
}

void doThis(long a[]) {
    long *b = a;
    doThat(a, b);
}

int main() {
    long a[3] = {0, 0, 0};
    doThis(a);
    // Line B
}
```

What is a qualitien

Objects declared with const-qualified types may be placed in read-only memory by the compiler, and if the address of a const object is never taken in a program, it may not be stored at all.

Any attempt to modify an object whose type is const-qualified results in undefined behavior.

```
void doThat(long list[]) {
 list[1] = 200;
 // Line A
void doThis(const long a[]) {
 long b[2] = \{10, 10\};
 a = b;
 doThat(a):
}
int main() {
const long a [] pointer is not real-only. real only array
```