**Array**

T a[s];

* a is and array of s number of T objects
* e.g. int a[10]
  + a is an array of 10 int
* Array declaration, [] is not an subscript operator for this

**Sizeof**

* Is an operator, not a function
* Int x; int g[100];
  + sizeof(int) = 4 bytes
  + sizeof(x) = 4 bytes
  + sizeof(g) = 400 bytes
  + sizeof(g[67]) = 4 bytes

**Function Declaration prototype**

* To inform about function name
* Return type and the various types of each parameters

**Function Declaration syntax**

* Type functionName(type <id>, … ); - semi-colon
* E.g. int foo(short, double)
  + foo is a function that takes in a short and a double and return an int
  + parameters name is not necessary, it is just a declaration

**Function Definition syntax**

* Type functionName(type <id>, … ) { } –a bracers as a body function
* E.g. int foo(short a, double b)
  + parameters name is a must

**Encapsulation**

* Function call (is an operator)
  + An expression when .exe invoke the execution of the desired function
* **Pass-by value semantics**
  + Copy values
* **Pass by reference**
  + Same values