User Functions

- Functions are similar to **C**
- Need to specify the return type, identifier and arguments followed by the block of statements
- All parameters to user functions are passed by reference
- Unlike **C**, nested functions are allowed in **VEX**
- **void** data type functions which will not return anything

Structure of a Function

Data type Identifier Arguments
(passed by reference &)

```
int my_function ( int a, b; string c){
        //do something
        return 8
}
```

Block

Pre-processor Directives

- Separate program that runs before the compiler and processes directives
- It’s not VEX or C, it’s simply a **text processor**
- It **strips comments**, **reads include files** and **expands macros**
- The **include** keyword copies the content of the included file into the program
- The **define** directive creates a macro that will be replaced before compiling
- The **pragma** directives are for creating the user interface