

1. strings and functions: "call by value" parameters

- Write a program that contains a function that takes one `string` argument and displays on the screen the value of that string
- Invoke your function from the `main()`.
- Compile and run your program to make sure it works.

2. strings and functions: "call by reference" parameters

- Create a new program file.
- Write a function that takes a string argument and converts all the letters in the string to lower case
- Now in the `main()`, prompt the user to enter a word and store the user's input in a string. Display the value of the string. Then pass that string to your function (that you just wrote above). Then, after the function call (back in the `main()`), display the value of the string again.
- Compile and run your code to make sure it works. The first output should look exactly like what the user entered. The second output should be the user's input, with all letters converted to lower case.

3. strings and functions: return value

- Create a new program file.
- Inside your `main()`, create a `while` loop. Inside that loop, ask the user to enter a character and read the user's input and store it in a character variable. If the user enters 'q' or 'Q', then your loop should exit and the program should exit.
- Write a function that takes one character argument and returns a string, as follows:
 - If the character argument is 'q' or 'Q', then the function should return the string "game over".
 - If the character argument is 'n' or 'N', then the function should return the string "moving north".
 - If the character argument is 's' or 'S', then the function should return the string "moving north".
 - If the character argument is 'e' or 'E', then the function should return the string "moving north".
 - If the character argument is 'w' or 'W', then the function should return the string "moving north".
- Now, back inside your `main()`, inside your `while` loop, after you read the user's input, pass that input to the function you just wrote (above). Then (in the `main()`), display the string that the function returns.
- Compile and run your code to make sure it works.