Spring 2018 CS 162 Worksheet #1: Pointers and Structs  
Review: C-style strings, dynamic memory, pointers

In small groups:
Write a program to replace all spaces in a c-style string with ‘%’. The operation must be done in place. Your main should create a dynamic c-style string and populate it with a string with some spaces. Full memory management should be implemented.

Example Input: “Mr John Smith” Example Output: “Mr%John%Smith”

```c
void change_spaces(char* string) {

}

int main() {

}
```

As a class discuss the concept of Structs
Create a struct that represents a textbook. Explain why you typed your variables the way you did as well as the advantages and limitations (if any) of using this struct in a program that allows users to search for books, check out and return them.