



**Instructor: Murad Njoum**

### **Assignment 5**

Write a recursive function named **replaceAll** that accepts three parameters: a string **s**, a char **from**, and a char **to** as parameters, and returns a new string that is the same as **s** but with any occurrences of **from** changed to **to**.

For example, the call of **replaceAll**("crazy raccoons", 'c', 'k') should return "krazy rakkoons" and the call of **replaceAll**("BANANA", 'A', 'O') should return "BONONO".

Your function is case-sensitive; if the character **from** is, for example, a lowercase 'f', your function should not replace uppercase 'F' characters. In other words, you should not need to write code to handle case issues in this problem.

Function prototype is:

```
char replaceALL(const char *str, const char, const char )
```

#### **Constraints:**

- Do not use any loops; you must **use recursion function**.
- Do not declare any global variables.
- Do not call any of the string functions (from string Library).
  - a) Use fgets function to read string lines stored binary file "input.bin"
  - b) Paste the lines to function above.