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Experiment 10

String Matching:

```c
#include <stdio.h>
#include <string.h>
#include <ctype.h>
int main(){
        char str[64];
        char word[20] = "everyday";
        int i = 0;
        int j = 0;
        int c = 0;
        int index = 0;
        int length = 0;
        printf("Enter string: ");
        scanf("%[^\n]s", str);
        while (str[i]) {
        str[i] = tolower(str[i]);
        i++;}
        length = strlen(str) - strlen(word) + 1;
        for (i = 0; i < length; i++) {
        index = i;
        if (str[i] == word[j]) {
        do {
                i++;
                j++;
        } while (j != strlen(word) && str[i] == word[j]);
        if (j == strlen(word)) {
                printf("Word '%s' found from index %d to %d.\n", word, index + 1, i);
                return 0; }
        else {
                i = index + 1;
                j = 0; } } }
printf("No word found in the string.\n");
 return 0;}
```

Output:

Enter string: Learn something new everyday
Word 'everyday' found from index 21 to 28.