Problem 1.c

```c

/**
 * String concatenation and String length
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 */

#include <stdio.h>

/**
 * Returns length of given string (str)
 */
size_t _strlen(const char *str) {
    if (str == NULL) return 0;

    size_t len = 0;
    char *lptr = (char *) str;

    while (*lptr++ != '\0') len++;
    return len;
}

/**
 * Returns a pointer to the final concatenated string
 * @dst:  The destination string
 * @src:  The source string
 * @n:    Number of bytes of src to copy, typically strlen(src)
 *
 * The destination string is guaranteed to be null terminated but
 * should have atleast (strlen(dst) + n + 1) bytes.
 */
char * _strncat(char *dst, const char *src, size_t n) {
    size_t dlen = _strlen(dst);
    size_t i;

    for (i = 0; i < n && src[i] != '\0'; ++i)
        dst[dlen + i] = src[i];
    dst[dlen + i] = '\0';

    return dst;
}

/** Driver function */
int main(int argc, const char *argv[]) {
    char s1[50] = "Hello, ", s2[50] = "World";

    size_t s2l = _strlen(s2);
    printf("S1: %s (len: %lu)\nS2: %s (len: %lu)\n", s1, _strlen(s1), s2, s2l);

    // Concatenate
    _strncat(s1, s2, s2l);
    printf("\nAfter concatenation: %s (len: %lu)\n", s1, _strlen(s1));

    return 0;
}

```