#include <stdio.h>

#include <string.h>

int main() {

char str[] = "Hello World";

int i;

printf("Original string: %s\n", str);

char xor\_result[12];

printf("\nResult after XOR operation with 127:\n");

for (i = 0; i < strlen(str); i++) {

xor\_result[i] = str[i] ^ 127;

printf("%d ", xor\_result[i]);

}

xor\_result[i] = '\0';

printf("\n");

// Apply XOR operation again to restore the original string

printf("\nResult after XOR operation with 127 again (to restore):\n");

for (i = 0; i < strlen(xor\_result); i++) {

char restored\_char = xor\_result[i] ^ 127; // Apply XOR again to get original character

printf("%c", restored\_char); // Print the restored character

}

printf("\n");

return 0;

}

**O/P:** Original string: Hello World

Result after XOR operation with 127:

55 26 19 19 16 95 40 16 13 19 27

Result after XOR operation with 127 again (to restore):

Hello World