



The screenshot shows a C code editor with a file named 'main.c'. The code implements a bit stuffing algorithm. It prompts the user to enter the number of bits (8) and the bits themselves (0 1 1 1 1 1 0). It then performs bit stuffing, resulting in a stuffed data length of 9 and stuffed bits 0 1 1 1 1 0 1 0. Finally, it performs bit de-stuffing, resulting in the original data 0 1 1 1 1 0. The code execution is successful.

```
72
73 printf("Enter number of bits: ");
74 scanf("%d", &n);
75
76 printf("Enter the bits (0/1):\n");
77 for (i = 0; i < n; i++) {
78     scanf("%d", &data[i]);
79 }
80
81 bitStuffing(data, n);
82
83 printf("Enter stuffed data length: ");
84 int stuffed_len;
85 scanf("%d", &stuffed_len);
86 int stuffed_data[100];
87 printf("Enter the stuffed bits (0/1):\n");
88 for (i = 0; i < stuffed_len; i++) {
89     scanf("%d", &stuffed_data[i]);
90 }
91
92 bitDeStuffing(stuffed_data, stuffed_len);
93
94 return 0;
95 }
96
97
```

Output:

```
Enter number of bits: 8
Enter the bits (0/1):
0 1 1 1 1 1 0
Data after Bit Stuffing: 011111010
Enter stuffed data length: 9
Enter the stuffed bits (0/1):
0 1 1 1 1 0 1 0
Data after Bit De-stuffing: 01111110
=== Code Execution Successful ===
```