

```
1 #include <stdio.h>
2 #include <string.h>
3 int main() {
4     char input[100], stuffed[200];
5     int i, j = 0, count = 0;
6     printf("Enter the bit string: ");
7     scanf("%s", input);
8     for (i = 0; i < strlen(input); i++) {
9         stuffed[j] = input[i];
10        if (input[i] == '1') {
11            count++;
12        } else {
13            count = 0;
14        }
15        j++;
16        if (count == 5) {
17            stuffed[j] = '0';
18            j++;
19            count = 0;
20        }
21    }
22    stuffed[j] = '\0';
23    printf("Stuffed bit string: %s\n", stuffed);
24    return 0;
25 }
26
```

Output

```
Enter the bit string: 01111110111
```

```
Stuffed bit string: 011111010111
```

```
==== Code Execution Successful ===
```