

Online C Compiler

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Programiz C Online Compiler

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main.c

Run

Output

Clear

```
1 #include <stdio.h>
2 int main() {
3     char data[20], stuffedData[30];
4     int i, j, count;
5     printf("Enter the data: ");
6     scanf("%s", data);
7     // Initialize variables
8     i = 0;
9     j = 0;
10    count = 0;
11    // Perform bit stuffing
12    while (data[i] != '\0') {
13        stuffedData[j] = data[i];
14        if (data[i] == '1') {
15            count++;
16        } else {
17            count = 0;
18        }
19        if (count == 5) {
20            stuffedData[++j] = '0';
21            count = 0;
22        }
23        stuffedData[j] = '\0';
24        printf("Original Data: %s\n", data);
25        printf("After Bit stuffing: %s\n", stuffedData);
26    }
```

Enter the data: 1011  
Original Data: 1011  
After Bit stuffing: 1011

=== Code Execution Successful ===

20:16  
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