```c
#include <stdio.h>
int main() {
  char data[20], stuffedData[30];
  int i, j, count;
  printf("Enter the data: ");
  scanf("%s", data);
  // Initialize variables
  i = 0;
  j = 0;
  count = 0;
  // Perform bit stuffing
  while (data[i] != '\0') {
  stuffedData[j] = data[i];
  if (data[i] == '1') {
  count++;
  } else {
  count = 0;
  }
  if (count == 5) {
  stuffedData[++j] = '0';
  count = 0;
  }
  i++;
  j++;
  }
```

```
/tmp/LKjMqCNghp.o
Enter the data: 100001010
Original Data: 100001010
After Bit stuffing: 100001010
```