```
#include <iostream>
#include <string>
using namespace std;
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int main()
   string stream, stuffedStream;
   cout << "Enter the stream of bits:";</pre>
   cin >> stream;
   stuffedStream = stream;
   int count = 0, j, appendedBit = 0;
   int l = stream.length();
   for (int i = 0; i < stream.length(); i++)</pre>
       if (stream[i] = '1')
           count++;
       if (stream[i] = '0')
           count = 0;
       if (count = 5)
           count = 0;
           stuffedStream += "0";
           l++;
           appendedBit++;
           j = 1;
```

```
while (j > i + 2)
{
         stuffedStream[j - 1] = stuffedStream[j - 2];
         j--;
     }
     stuffedStream[i + appendedBit] = '0';
}
cout << "Output stream after bit stuffing: "
         < "01111110 " << stuffedStream << " 01111110" << endl;
return 0;
}</pre>
```

Output:

```
Data comunication/Lab Class/"bitStuffing
Enter the stream of bits:01111111101
Output stream after bit stuffing: 01111110 01111101 01111110

__naz365@nazmul-hossain ~/University Fall 2021/Data comunication/Lab Class
_____
```