

main.c

```
1  #include<stdio.h>
2  #include<string.h>
3  int main()
4  {
5      int i=0,count=0;
6      char databits[80];
7      printf("Enter Data Bits: ");
8      scanf("%s",databits);
9      printf("\nData Bits After Bit stuffing: ");
10     for(i=0; i<strlen(databits); i++)
11     {
12         if(databits[i]=='1')
13             count++;
14         else
15             count=0;
16         printf("%c",databits[i]);
17         if(count==5)
18         {
19             printf("0");
20             count=0;
21         }
22     }
23     return 0;
24 }
```

Output

Enter Data Bits: 1111101

Data Bits After Bit stuffing: 11111001

=== Code Execution Successful ===

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17        if(count==5)
18        {
19            printf("0");
20            count=0;
21        }
22    }
23    return 0;
24 }
```

Output

Enter Data Bits: 1111101111101111

Data Bits After Bit stuffing: 11111001111100111110

=== Code Execution Successful ===

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19            printf("0");
20            count=0;
21        }
22    }
23    return 0;
24 }
```

Output

Enter Data Bits: 1101111110111

Data Bits After Bit stuffing: 11011111010111

=== Code Execution Successful ===

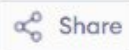
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main.c



Run

Output

Clear

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18        {
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20            count=0;
21        }
22    }
23    return 0;
24 }
```

Enter Data Bits: 1011111011111

Data Bits After Bit stuffing: 101111100111110

=== Code Execution Successful ===

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 Share

Run

Output

Clear

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17        if(count==5)
18        {
19            printf("0");
20            count=0;
21        }
22    }
23    return 0;
24 }
```

Enter Data Bits: 111111111

Data Bits After Bit stuffing: 111110111110

=== Code Execution Successful ===