

C:\Users\Lenovo\Desktop\fo\CN 1.c - [Executing] - Dev-C++ 5.11

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TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug CN 1.c CN 2.c CN 3.c

main() : int

```
1 #include<stdio.h>
2 int main()
3 {
4     int w,i,f,frames[50];
5     printf("Enter window size: ");
6     scanf("%d",&w);
7     printf("\nEnter number of frames to transmit:");
8     scanf("%d",&f);
9     printf("\nEnter %d frames: ",f);
10    for(i=1;i<=f;i++)
11        scanf("%d",&frames[i]);
12    printf("\nWith sliding window protocol the frames will be sent in the following manner (assuming no corruption of frames)");
13    printf("After sending %d frames at each stage\n",w);
14
15    for(i=1;i<=f;i++)
16    {
17        if(i%w==0)
18        {
19            printf("%d\n",frames[i]);
20            printf("Acknowledgement of above frames sent is received by sender\n");
21        }
22        else
23            printf("%d ",frames[i]);
24    }
25    if(f%w!=0)
26        printf("\nAcknowledgement of above frames sent is received by sender\n");
27    return 0;
28 }
```

C:\Users\Lenovo\Desktop\fo\CN 1.c

Enter window size: 12

Enter number of frames to transmit: 3

Enter 3 frames: 45
60
75

With sliding window protocol the frames will be sent in the following manner (assuming no corruption of frames)

After sending 12 frames at each stage sender waits for acknowledgement sent by the receiver

45 60 75
Acknowledgement of above frames sent is received by sender

Process exited after 27.24 seconds with return value 0
Press any key to continue . . .

Compiler Resources Compile Log Debug Find Results

Line: 11 Col: 32 Sel: 0 Lines: 28 Length: 915 Insert Done parsing in 0.015 seconds

35°C Mostly cloudy

Search

ENG IN 14:38 12-08-2023

- crc0 : void
- main0 : int
- receiver0 : void
- XOR0 : void
- check_value[28] : ch
- data[28] : char
- data_length : int
- gen_poly[10] : char
- i : int
- j : int

```
1  #include<stdio.h>
2  #include<string.h>
3  #define N strlen(gen_poly)
4  char data[28];
5  char check_value[28];
6  char gen_poly[10];
7  int data_length,i,j;
8  void XOR(){
9      for(j = 1;j < N; j++)
10         check_value[j] = (( check_value[j] == gen_poly[j])?'0':'1');
11 }
12 void receiver(){
13     printf("Enter the received data: ");
14     scanf("%s", data);
15     printf("\n-----\n");
16     printf("Data received: %s", data);
17     crc();
18     for(i=0;(i<N-1) && (check_value[i]!='1');i++);
19         if(i<N-1)
20             printf("\nError detected\n\n");
21         else
22             printf("\nNo error detected\n\n");
23 }
24 void crc(){
25     for(i=0;i<N;i++)
26         check_value[i]=data[i];
27     do{
28         if(check_value[0]=='1')
29             XOR();
```

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Enter data to be transmitted: 9

Enter the Generating polynomial: 6

Data padded with n-1 zeros : 9-----
CRC or Check value is :-----
Final data to be sent : 9-----
Enter the received data: |

C:\Users\Lenovo\Desktop\fo\CN 3.c - [Executing] - Dev-C++ 5.11

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TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug CN 1.c CN 2.c CN 3.c

main() : int

```
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 }
```

C:\Users\Lenovo\Desktop\fo\ x + -

Enter Data Bits: 6

Data Bits After Bit stuffing: 6

Process exited after 9.499 seconds with return value 0

Press any key to continue . . .

Compiler Resources Compile Log Debug Find Results

Line: 17 Col: 17 Sel: 0 Lines: 24 Length: 430 Insert Done parsing in 0.015 seconds

35°C Mostly cloudy

Search

ENG IN 14:43 12-08-2023

Main.java

```
1 import java.time.LocalDateTime;  
2 import java.time.format.DateTimeFormatter;  
3  
4 public class Main {  
5     public static void main(String[] args) {  
6         LocalDateTime myDateObj = LocalDateTime.now();  
7         DateTimeFormatter myFormatObj = DateTimeFormatter.ofPattern("dd-MM-yyyy HH:mm:ss");  
8  
9         String formattedDate = myDateObj.format(myFormatObj);  
10        System.out.println("The current date and time is: " + formattedDate);  
11    }  
12 }
```

Run

Output

Clear

```
java -cp /tmp/00K938A1od Main  
The current date and time is: 12-08-2023 07:38:46
```

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