# Experiment -7

AIM: Write a program to implement flow control at data link layer using Sliding window protocol. Simulate the flow of frames from one node to another.

Program should achieve at least below given requirements. You can make it a bidirectional program wherein receiver is sending its data frames with acknowledgement (Piggybacking).

# Code:

### Programiz **Premium Coding Courses by Programiz** C++ Online Compiler 3 -0main.cpp ∝ Share Run æ 3 int main() int w,i,f,frames[50]; 5 printf("Enter window size: "); 8 scanf("%d",&w); 釒 printf("\nEnter number of frames to transmit: "); 10 ◉ scanf("%d",&f); 12 (3) printf("\nEnter %d frames: ",f); 14 for(i=1;i<=f;i++) ◉ scanf("%d",&frames[i]); 17 JS 18 printf("\nWith sliding window protocol the frames will be sent in the following manner (assuming no corruption of frames)\n\n"); 19 printf("After sending %d frames at each stage sender waits for acknowledgement sent by ~GO the receiver\n\n",w); 20 php for(i=1;i<=f;i++) 21 Ŀ if(i%w==0)23 24 **®** 25 printf("%d\n",frames[i]); printf("Acknowledgement of above frames sent is received by sender\n\n"); 27 28 printf("%d ",frames[i]); 29 30 32 if(f%w!=0) 33 printf("\nAcknowledgement of above frames sent is received by sender\n");

```
return 0;
```

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## **Output:**

## **Result:**

Write a program to implement flow control at data link layer using Sliding window protocol has been executed successfully