EXPERIMENT-7

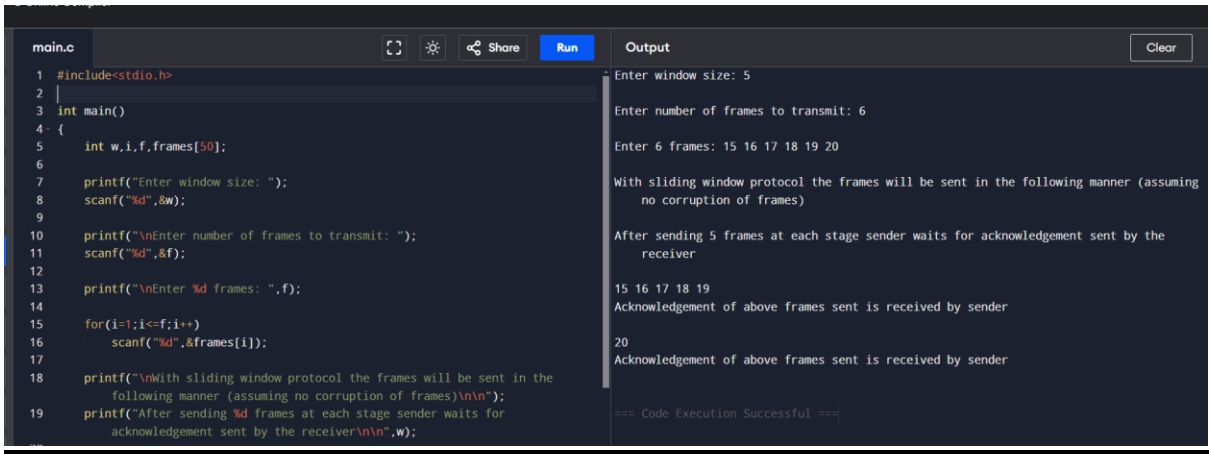
AIM: Write a program to implement flow control at data link layer using SLIDING WINDOW PROTOCOL. Simulate the flow of frames from one node to another.

SOURCE CODE:

```
#include<stdio.h>


int main()
{
   int w,i,f,frames[50];


   printf("Enter window size: ");
   scanf("%d",&w);


   printf("\nEnter number of frames to transmit: ");
   scanf("%d",&f);


   printf("\nEnter %d frames: ",f);


   for(i=1;i<=f;i++)
      scanf("%d",&frames[i]);


   printf("\nWith sliding window protocol the frames will be sent in the following manner (assuming no corruption of frames)\n\n");
   printf("After sending %d frames at each stage sender waits for acknowledgement sent by the receiver\n\n",w);


   for(i=1;i<=f;i++)
   {
      if(i%w==0)
```

```
    {
        printf("%d\n",frames[i]);
    printf("Acknowledgement of above frames sent is received by sender\n\n");
    }
    else
        printf("%d ",frames[i]);
}

if(f%w!=0)
    printf("\nAcknowledgement of above frames sent is received by sender\n");

return 0;
```

OUTPUT:



RESULT:

The code for SLIDING WINDOW have been executed successfully and the output is verified.