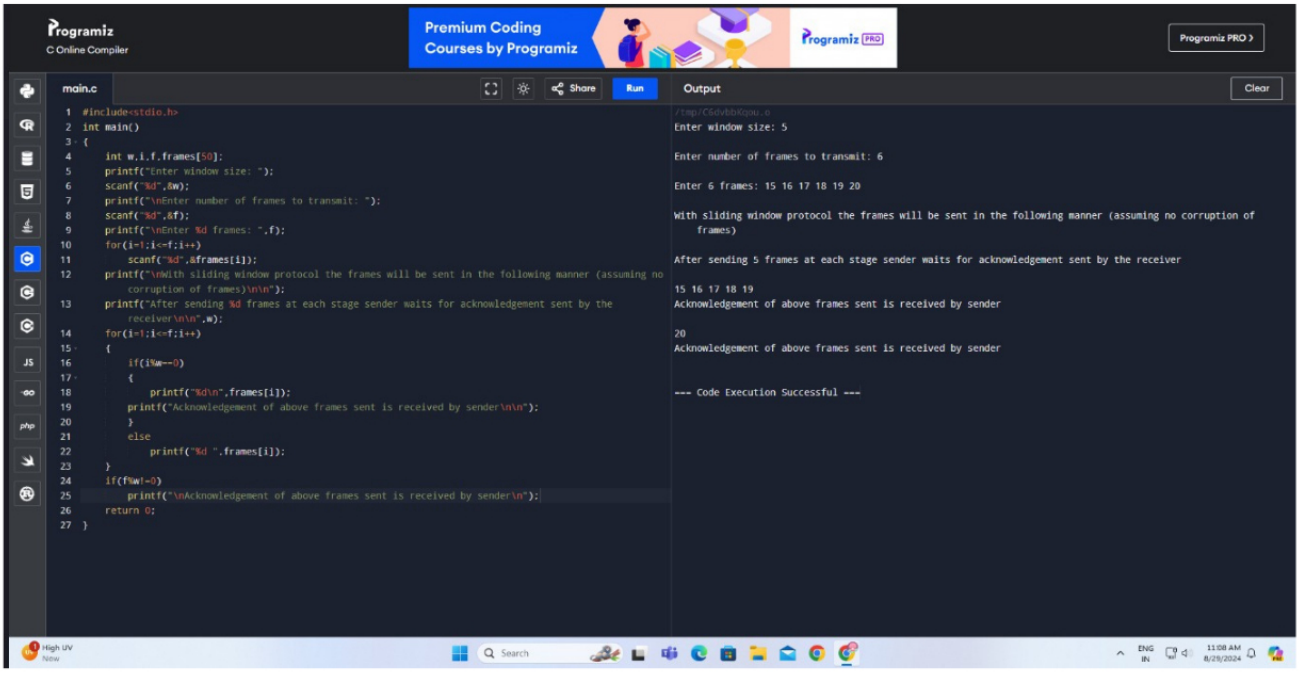
EXPERIMENT – 7

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.

CODE: -

```
# include <stdio.h>
int main()
{
       int w,i,f,frames[50];
       printf("Enter window size");
       scanf("%d", &w);
       printf("\n Enter %d frames:", f);
       scanf("%d", &f);
       printf("\n Enter %d frames:", f);

       for (i=1; i<=f; i++)

              scanf("%d", &frames[i]);
              printf("\nWithslidingwindowprotocolthe frames will be sent
inthefollowingmanner(assumingno      corruptionofframes)\n\n)");
              printf("Aftersending%dframesateachframes at each stage
senderwaitsforacknowledementsent     bythereceiver   \n\n", w);

       for(i=1; i<=f;i++)

       {
              if(i%w==0)
              { }
              else   printf("%d\n", frames[i]);


                     printf("%d\n", frames[i]);
       }
       if (f%w!=0)
       printf("\nAcknowledgementofaboveframessentis received by sender
\n");  return 0;

}
```

OUTPUT: -



RESULT: -

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