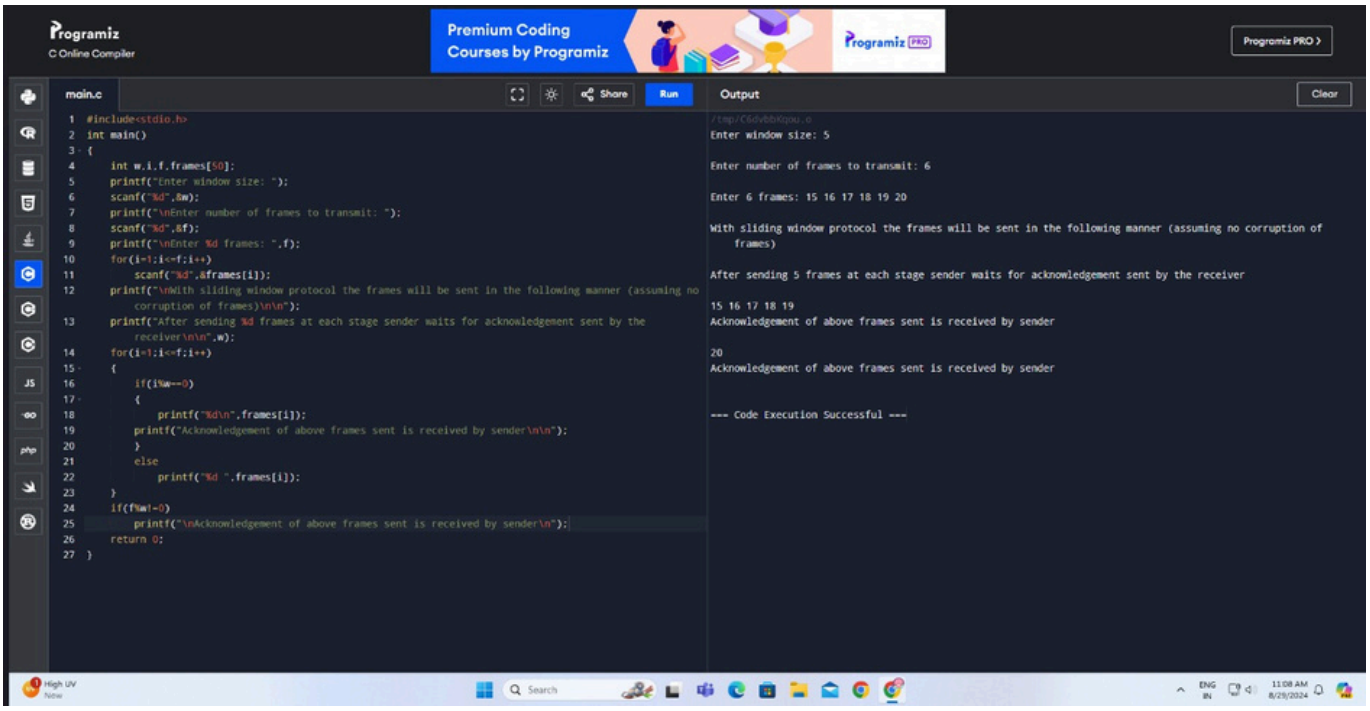
EXPERIMENT – 7

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	corruptionoffframes)\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.