## 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: -**

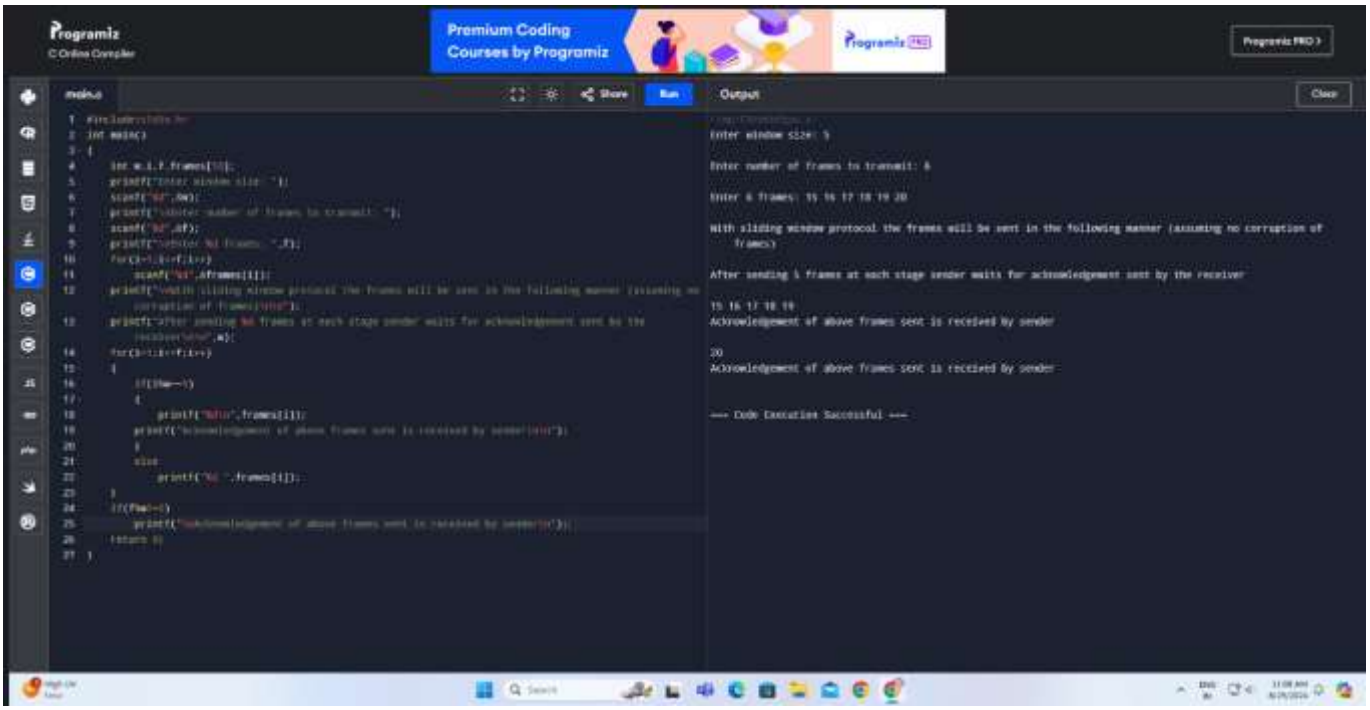
```
# include <stdio.h>
int main()
{
	int w,i,f,frames[50];
	printf("Enter window size");
	scanf("%d", &w);
	printf("\n Enter %d frames:", f);
	scanf("%d", &f);
	printf("\n Enter %d frames:", f);

	for (i=1; i<=f; i++)
		scanf("%d", &frames[i]);
		printf("\n With 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 frames at each stage
sender waits for acknowledement sent by the receiver \n\n", w);

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

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