

```
//B20CS1130
//Experiment 14a
//Sliding Window
```

```
#include <stdio.h>
```

```
void main(){
    int i, fsize, send=-1, ack;
    printf("Enter the frame size: ");
    scanf("%d", &fsize);
    for(i=0; i<fsize; i++){
        printf("The message received: %d\n", i);
        send++;
        printf("Enter the acknowledgement: ");
        scanf("%d", &ack);
        if(ack>fsize){
            break;
        }
        else if(ack==send){
            printf("Acknowledgement %d received successfully\n", ack);
        }
        else{
            printf("Wrong Acknowledgement\n");
            i--;
            send--;
        }
    }
}
/*
```

OUTPUT

```
s6cs130@comp62:~$ gcc 13.sw.c
s6cs130@comp62:~$ ./a.out
Enter the frame size: 8
The message received: 0
Enter the acknowledgement: 0
Acknowledgement 0 received successfully
The message received: 1
Enter the acknowledgement: 0
Wrong Acknowledgement
The message received: 1
Enter the acknowledgement: 1
Acknowledgement 1 received successfully
The message received: 2
Enter the acknowledgement: 2
```

Acknowledgement 2 received successfully
The message received: 3
Enter the acknowledgement: 3
Acknowledgement 3 received successfully
The message received: 4
Enter the acknowledgement: 4
Acknowledgement 4 received successfully
The message received: 5
Enter the acknowledgement: 5
Acknowledgement 5 received successfully
The message received: 6
Enter the acknowledgement: 6
Acknowledgement 6 received successfully
The message received: 7
Enter the acknowledgement: 7
Acknowledgement 7 received successfully
*/