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CODE: CSA0734

EXPERIMENT:39

AIM: To impement sliding window protocol

PROGRAM:

```c
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);
```

```c
    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:

OUTPUT: STOP AND WAIT PROTOCOL & SLIDING WINDOW PROTOCOL

RESULT: Therefore, implementation of sliding window protocol has been successfully executed.