

PROGRAM:

```
#include<stdio.h>

#include<conio.h>

char str[20][20];

int i,n;

void sender()

{

printf("\n***** SENDER *****\n");

printf("\n\t%s",str[i]);

printf("\n\tdata %d sent",i);

printf("\n\tWaiting for ACK %d\n",i);

}

void receiver()

{

printf("\n***** RECEIVER *****\n");

printf("\n\tdata %d received",i);

printf("\n\tPress any key to send ACK\n");

getch();

printf("\n\tACK %d sent\n",i);

}

void main()

{

clrscr();

printf("\nStop and wait starts\nEnter the no. of data to send:");

scanf("%d",&n);

printf("\nEnter the data:\n");
```

```

for(i=1;i<=n;i++)
{
    scanf("%s",str[i]);
}

printf("\nStart sending data");
for(i=1;i<=n;i++)
{
    sender();

    receiver();
}

printf("\nAll data sent");

getch();
}

```

OUTPUT:

Stop and wait starts
Enter the no. of data to send:3

Enter the data:
CSE IT ECE

Start sending data
***** SENDER *****

CSE
data 1 sent
Waiting for ACK 1

***** RECEIVER *****

data 1 received
Press any key to send ACK

ACK 1 sent

***** SENDER *****

IT
data 2 sent
Waiting for ACK 2

***** RECEIVER *****

data 2 received
Press any key to send ACK

ACK 2 sent

***** SENDER *****

ECE
data 3 sent
Waiting for ACK 3

***** RECEIVER *****

data 3 received
Press any key to send ACK

ACK 3 sent

All data sent