#include <stdio.h>

#include<stdlib.h>

void main()

{

int i,n,r,a;

n=5;

printf("The number of packets are:%d\n",n);

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

{

printf("The packet sent is:%d\n",i);

r=rand()%2;

if (r==1)

{

a=rand() %2;

if (a==1)

{

printf("Aknowledgement number:%d\n",i+1);

}

else

{

printf("No acknowledgement number:%d\n",i+1);

i--;

}

}

else

{

printf("time out,resend\n");

i--;

}

}

}

OUTPUT:The number of packets are:5

The packet sent is:1

No acknowledgement number:2

The packet sent is:1

Aknowledgement number:2

The packet sent is:2

Aknowledgement number:3

The packet sent is:3

time out,resend

The packet sent is:3

time out,resend

The packet sent is:3

Aknowledgement number:4

The packet sent is:4

time out,resend

The packet sent is:4

No acknowledgement number:5

The packet sent is:4

Aknowledgement number:5

The packet sent is:5

time out,resend

The packet sent is:5

time out,resend

The packet sent is:5

time out,resend

The packet sent is:5

time out,resend

The packet sent is:5

time out,resend

The packet sent is:5

No acknowledgement number:6

The packet sent is:5

Aknowledgement number:6