```cpp
#include<bits/stdc++.h>
using namespace std;
int main(){
        int token=0;
        cout<<"Enter Number of Nodes"<<endl;
        int n,s,r,d;
        cin>>n;
        while(true){
                for(int i=0;i<n;i++)cout<<i<<" ";
                cout<<0<<endl;
                cout<<"Enter Sender"<<endl;
                cin>>s;
                cout<<"Enter receiver"<<endl;
                cin>>r;
                cout<<"Enter Data"<<endl;
                cin>>d;
                //Passing token until sender is found
                for(int i=token;(i%n)!=s;i=(i+1)%n){
                        cout<<i<<"->";
                }
                cout<<s<<endl;
                //sending data in mutual exclusion
                for(int i=(s)%n;i!=r;i=(i+1)%n){
                        cout<<"Sender " <<(i%n) << " sent data "<<d<< " to
"<<(i+1)%n<<endl;
                }
                //releasing token
                token=s;
                cout<<"Token at " <<token<<endl;
        }
return 0;
}
*******************OUTPUT***************************
/*admin1@SL17:~/a5_25$ g++ Tring.cpp
admin1@SL17:~/a5_25$ ./a.out
Enter Number of Nodes
5
0 1 2 3 4 0
Enter Sender
2
Enter receiver
4
Enter Data
88
0->1->2
Sender 2 sent data 88 to 3
Sender 3 sent data 88 to 4
Token at 2
0 1 2 3 4 0
Enter Sender
4
Enter receiver
1
Enter Data
99
2->3->4
Sender 4 sent data 99 to 0
Sender 0 sent data 99 to 1
Token at 4
0 1 2 3 4 0   */
```