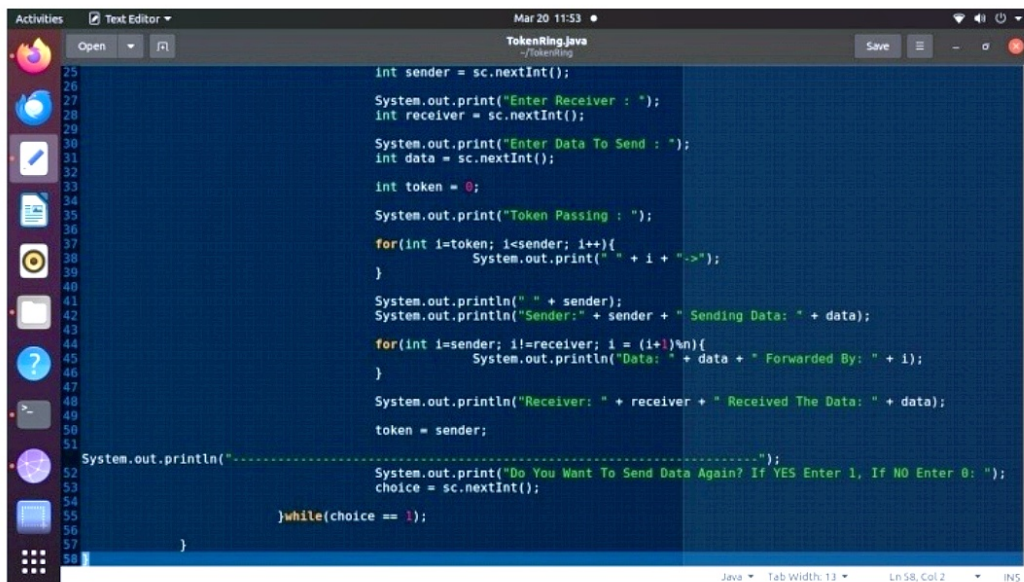


```
1 import java.util.*;
2
3
4
5 public class TokenRing{
6
7     public static void main(String[] args){
8         Scanner sc = new Scanner(System.in);
9
10        System.out.print("Enter Number Of Nodes You Want In The Ring : ");
11        int n = sc.nextInt();
12
13        System.out.println("Ring Formed Is As Below : ");
14        for(int i=0; i<n; i++){
15            System.out.print(i + " ");
16        }
17        System.out.println("\n");
18
19
20
21        int choice = 0;
22
23        do{
24            System.out.print("Enter Sender : ");
25            int sender = sc.nextInt();
26
27            System.out.print("Enter Receiver : ");
28            int receiver = sc.nextInt();
29
30            System.out.print("Enter Data To Send : ");
31            int data = sc.nextInt();
32
33            int token = 0;
34
35            System.out.print("Token Passing : ");
```

Java Tab Width: 13 Ln 58, Col 2 INS



```
25        int sender = sc.nextInt();
26
27        System.out.print("Enter Receiver : ");
28        int receiver = sc.nextInt();
29
30        System.out.print("Enter Data To Send : ");
31        int data = sc.nextInt();
32
33        int token = 0;
34
35        System.out.print("Token Passing : ");
36
37        for(int i=token; i<sender; i++){
38            System.out.print(" " + i + "->");
39        }
40
41        System.out.println(" " + sender);
42        System.out.println("Sender: " + sender + " Sending Data: " + data);
43        for(int i=sender; i!=receiver; i = (i+1)%n){
44            System.out.println("Data: " + data + " Forwarded By: " + i);
45        }
46
47        System.out.println("Receiver: " + receiver + " Received The Data: " + data);
48        token = sender;
49
50
51        System.out.println("-----");
52        System.out.print("Do You Want To Send Data Again? If YES Enter 1, If NO Enter 0: ");
53        choice = sc.nextInt();
54
55        }while(choice == 1);
56
57    }
58 }
```

Java Tab Width: 13 Ln 58, Col 2 INS

```
Activities Terminal Mar 20 11:50
rcoem@rcoem-Veriton-M200-H510: ~/TokenRing

rcoem@rcoem-Veriton-M200-H510:~/TokenRing$ javac TokenRing.java
rcoem@rcoem-Veriton-M200-H510:~/TokenRing$ java TokenRing
Enter Number Of Nodes You Want In The Ring : 10
Ring Formed Is As Below:
0 1 2 3 4 5 6 7 8 9 0
Enter Sender : 4
Enter Receiver : 8
Enter Data To Send : 70
Token Passing : 0-> 1-> 2-> 3-> 4
Sender:4 Sending Data: 70
Data: 70 Forwarded By: 4
Data: 70 Forwarded By: 5
Data: 70 Forwarded By: 6
Data: 70 Forwarded By: 7
Receiver: 8 Received The Data: 70
-----
Do You Want To Send Data Again? If YES Enter 1, If NO Enter 0: 1
Enter Sender : 2
Enter Receiver : 1
Enter Data To Send : 50
Token Passing : 0-> 1-> 2
Sender:2 Sending Data: 50
Data: 50 Forwarded By: 2
Data: 50 Forwarded By: 3
Data: 50 Forwarded By: 4
Data: 50 Forwarded By: 5
Data: 50 Forwarded By: 6
Data: 50 Forwarded By: 7
Data: 50 Forwarded By: 8
Data: 50 Forwarded By: 9
Data: 50 Forwarded By: 0
Receiver: 1 Received The Data: 50
-----
Do You Want To Send Data Again? If YES Enter 1, If NO Enter 0: 0
rcoem@rcoem-Veriton-M200-H510:~/TokenRing$
```