

PROGRAM:1

Enter Characters:sa

ASCII value is:115

Binary form:11100111

Receiver side:

VRC:11100111|0

ASCII value is:97

Binary form:11000011

Receiver side:

VRC: 11000011|0

PROGRAM:2

Enter Characters: sa

ASCII value is: 115

Binary form: 11100111

ASCII value is: 97

Binary form: 11000011

Receiver side:

LRC:

11000011

11100111

00100100

PROGRAM:3

Enter divisor:1101

Enter dividend:110010101

Remainder=000000000101

Data sent=110010101101

PROGRAM 4:

Server:

D:\Program Files\Java\jdk1.8.0_112\bin> javac myserver.java

D:\Program Files\Java\jdk1.8.0_112\bin> java myserver

client says:hai

Client

D:\Program Files\Java\jdk1.8.0_112\bin> javac myclient.java

D:\Program Files\Java\jdk1.8.0_112\bin> java myclient

Hai

PROGRAM : 5

CLIENT:

D:\Program Files\Java\jdk1.8.0_112\bin> javac tcpechoclient.java

D:\Program Files\Java\jdk1.8.0_112\bin> java tcpechoclient

Type "bye" to quit

Enter message to server:

hi this is networklab

Server[hi this is networklab]

Enter message to server:

SERVER:

D:\Program Files\Java\jdk1.8.0_112\bin> javac TcpechoServer.java

D:\Program Files\Java\jdk1.8.0_112\bin> java TcpechoServer

Server Ready

Client Connected

Client[hi this is networklab]

PROGRAM 6:

SENDER :

D:\Program Files\Java\jdk1.8.0_112\bin>java Sender

Waiting for connection....

Reciever >Connected

Enter data to send....

hai

Data sent >0h

Waiting for ack....

Reciever >packet recieved

Data sent >1a

Waiting for ack....

Reciever >packet recieved

Data sent >0i

Waiting for ack....

Reciever >packet recieved

all data sent.exiting

D:\Program Files\Java\jdk1.8.0_112\bin>

RECEIVER :

D:\Program Files\Java\jdk1.8.0_112\bin>javac Receiver.java

D:\Program Files\Java\jdk1.8.0_112\bin>java Receiver

Waiting for connection...

Connection established:

Receiver>0h

Receiver>1a

Receiver>0i

Data Received=hai

Waiting for connection...

PROGRAM 7:

SERVER :

D:\Program Files\Java\jdk1.8.0_112\bin>javac slisender.java

D:\Program Files\Java\jdk1.8.0_112\bin>java slisender

Enter number of iterations:4

Enter window size:4

ACK:FRAME0RECEIVED

ACK:FRAME1RECEIVED

ACK:FRAME2RECEIVED

ACK:FRAME3RECEIVED

D:\Program Files\Java\jdk1.8.0_112\bin>

CLIENT :

D:\Program Files\Java\jdk1.8.0_112\bin>javac sliclient.java

D:\Program Files\Java\jdk1.8.0_112\bin>java sliclient

0

1

2

3

Sending ack to server

4

5

6

7

Sending ack to server

0

1

2

3

Sending ack to server

4

5

6

7

D:\Program Files\Java\jdk1.8.0_112\bin>

PROGRAM 8:

Enter no. of vertices :5

Enter the adjacency matrix :

0 10 0 30 100

10 0 50 0 0

0 50 0 20 10

30 0 20 0 60

100 0 10 60 0

Enter the starting node : 0

Distance of node 1 = 10

Path= 1<-0

Distance of node 2 = 50

Path= 2<-3<-0

Distance of node 3 = 30

Path= 3<-0

Distance of node 4 = 60

Path =4<-2<-3<-0

PROGRAM 9:

Server:

D:\Program Files\Java\jdk1.8.0_112\bin> javac Fileserver.java

D:\Program Files\Java\jdk1.8.0_112\bin>java Fileserver

Connection EstablishedSocket[addr=/127.0.0.1,port=1035 localport=8081]

The requested file is:slisender.java

file transfered

Client:

D:\Program Files\Java\jdk1.8.0_112\bin> javac Fileclient.java

D:\Program Files\Java\jdk1.8.0_112\bin>java Fileclient

Enter the file name to tranfer from the server

slisender.java

file received

PROGRAM 10:

```
D:\Program Files\Java\jdk1.8.0_112\bin>javac Fact*.java
```

```
D:\Program Files\Java\jdk1.8.0_112\bin>rmic FactImpl
```

```
D:\Program Files\Java\jdk1.8.0_112\bin>Start rmiregistry
```

```
D:\Program Files\Java\jdk1.8.0_112\bin>java FactServer
```

```
D:\Program Files\Java\jdk1.8.0_112\bin>java FactClient localhost 8
```

```
Factorial value is:40320
```

```
D:\Program Files\Java\jdk1.8.0_112\bin>
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