Testing process:

1. Run the program
2. Enter IP address for first peer
3. Enter port of first peer

```
Please enter IP to connect to:
127.0.0.1
Please enter port to connect to:
7896
Listening on address 127.0.0.1:56327
```

4. If a connection to the desired port is not established, a random port is selected, and the address of the peer is displayed. This address can be used to connect to a peer, or make a transaction from/to it.
5. Run the program in a second terminal
6. Use the address from step 4 to connect to first peer.

```
Please enter IP to connect to:
127.0.0.1
Please enter port to connect to:
56333
Listening on address 127.0.0.1:56336
```

7. The public key of each peer is displayed when peer is initialized, and it can be used to test the application manually.


```
[127.0.0.1:56333], publicKey={"N":66169907350909021668935140637715446190497279488972148107581604390937237099994529534647962321749513348643501508767133768190728798043063047157496967637406086950269039528769384999830018340497007769778229547234030971516230464394103607975729565747425621767700634716470391188951925117717718762851789138779977224108289680002266089200080290075057139852069066374249747272733888224734545097186242061625254641462931734076433981564533085402030803313279187698764375538315297738047954399406454486170190593059335494376589536970956551578196873748475379741674689645245162699042087759564685479990480027285805499290932921551545887144029,"E_or_d":3}
[127.0.0.1:56336], publicKey={"N":53633281356385707408457956527679799875088729672390674222285013408761543496966202319515407074762530516047078481353021931436167878094484967800185813973120147163185173163555025445876088344143498280539216719951712359163187979714622827584524936980914225098132481156926329340789944377630656998299339311534651130851122513669177827169203294082843134946530053447732099664073370964515684444143933458382350728027824022465194873017755068126034505959264825397565351620638540494694053200252359216327236215450286911081284562149711417768567877901193572773301405152682666453633813762998638899812795905408562027239164994608648431358141,"E_or_d":3}
```


8. Make a transaction from the first to the second peer by inputting the amount, the address of the sender, and the address of the receiver of the transaction.

```
Please make transactions in the format: AMOUNT FROM TO followed by an empty character!

1234 127.0.0.1:56333 127.0.0.1:56336
```

9. If the signature of the transaction is valid, the result of the transaction (the ledger) should be printed. Then you should be able to observe that the correct accounts are updated by comparing the peer addresses of sender and receiver with the peer addresses corresponding to the public keys from step 7 in the Account name.


```
Account name: {"N":66169907350909021668935140637715446190497279488972148107581604390937237099994529534647962321749513348643501508767133768190728798043063047157496967637406086950269039528769384999830018340497007769778229547234030971516230464394103607975729565747425621767700634716470391188951925117717718762851789138779977224108289680002266089200080290075057139852069066374249747272733888224734545097186242061625254641462931734076433981564533085402030803313279187698764375538315297738047954399406454486170190593059335494376589536970956551578196873748475379741674689645245162699042087759564685479990480027285805499290932921551545887144029,"E_or_d":3} amount: -1234
Account name: {"N":53633281356385707408457956527679799875088729672390674222285013408761543496966202319515407074762530516047078481353021931436167878094484967800185813973120147163185173163555025445876088344143498280539216719951712359163187979714622827584524936980914225098132481156926329340789944377630656998299339311534651130851122513669177827169203294082843134946530053447732099664073370964515684444143933458382350728027824022465194873017755068126034505959264825397565351620638540494694053200252359216327236215450286911081284562149711417768567877901193572773301405152682666453633813762998638899812795905408562027239164994608648431358141,"E_or_d":3} amount: 1234
```