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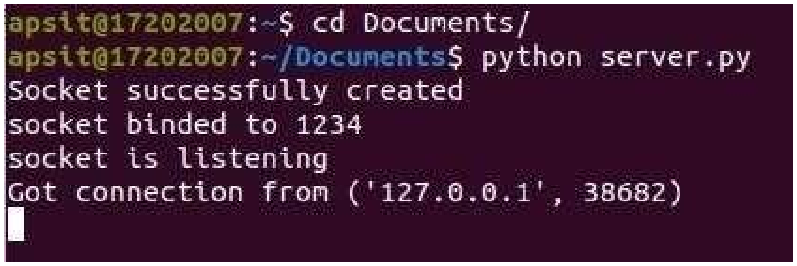
CN LAB **EXPERIMENT NUMBER: 8**

Aim: Creation of a simple Socket for basic information exchange between Server and Client.

Code: server.py

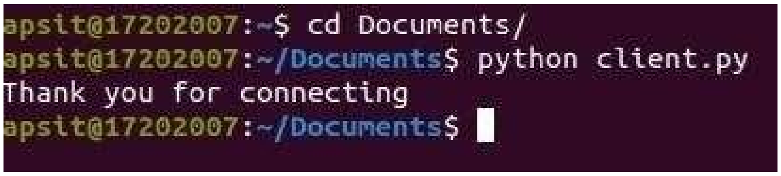
```
# first of all import the socket library
import socket
# next create a socket object s = socket.socket()
print "Socket successfully created" # reserve a port
on your computer in our # case it is 12345 butit
can be anything
port = 1234
# Next bind to the port
# we have not typed any ip in the ip field
# instead we have inputted an empty string# this makes
the server listen to requests #
coming from other computers on the networks.bind(('',
port))
print "socket binded to %s" %(port)# put the
socket into listening mode s.listen(5) print
"socket is listening"
# a forever loop until we interrupt it or# an error
occurs
while True:
# Establish connection with client.c, addr
        s.accept()
        print 'Got connection from', addr
# send a thank you message to the client.c.send('Thank you for
        connecting')
# Close the connection with the clientc.close()
```



```
apsit@17202007:~$ cd Documents/
apsit@17202007:~/Documents$ python server.py
Socket successfully created
socket binded to 1234
socket is listening
Got connection from ('127.0.0.1', 38682)
```

client.py:

```
#Import socket
module import socket
#Create a socket
object
s=socket.socket()
#Define the port on which you want to
connect port=1234
s.connect(('127.0.0.1',port)
) print s.recv(1024)
s.close()
```



```
apsit@17202007:~$ cd Documents/
apsit@17202007:~/Documents$ python client.py
Thank you for connecting
apsit@17202007:~/Documents$ 
```