**48.How to create simple server-client program using socket programming in python?**

**Objective:**

* To create simple server-client program using socket module in python3.

**Process:**

* Import socket library.
* Create socket object.
* Use socket module methods bind(),listen(),accept() and connect().
* First start the server using terminal(python3 server.py).
* Then start the client by $ telnet localhost port number.
* Connect client with server.

**Input:**

* Socket object.

**Output:**

* Simple server-client architecture.

**Source code(server):**

#import socket module

import socket

#create socket object

s = socket.socket()

print("Socket created successfully")

port = 12348

#Bind the port

s.bind(('', port))

#check the scoket binded to the port

print("socket binded to ",(port))

s.listen(5)

print("server listening...")

while True:

#accept the connection

c, addr=(s.accept())

#send status message to the client

c.send(b"Thanks for connecting")

#Terminate the connection

c.close()

**Source code(client):**

#import socket library

import socket

#create socket object

s = socket.socket()

#declare a port

port = 12348

#make conncetion

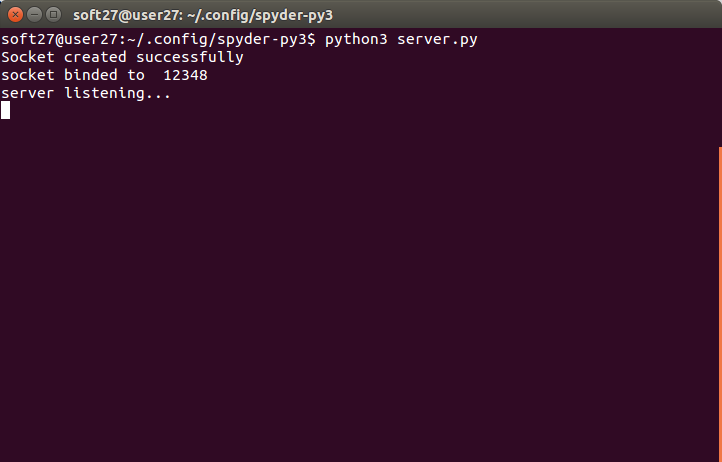
s.connect(('127.0.0.1', port))

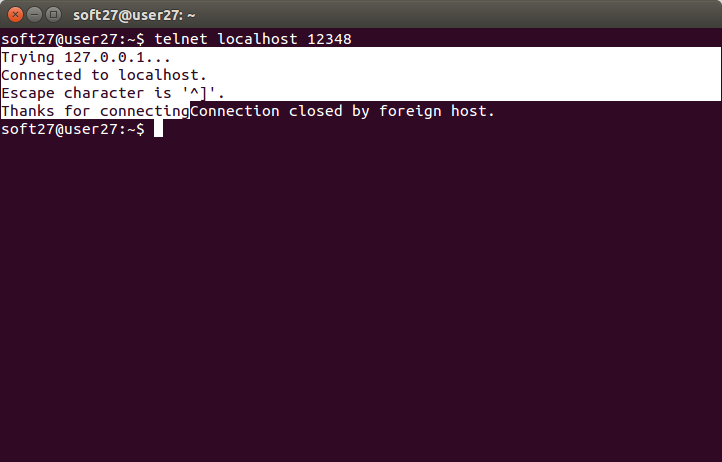
print (s.recv(10))

#close the connection

s.close()

**Screen shot:**

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