**46.How to create a simple server using socket module in python?**

**Objective:**

* To create simple server using socket programming in python3.

**Process:**

* Import socket library.
* Create socket object s.
* Define the port number (5 digits).
* Bind the port and socket object using s.bind().
* Check socket has been created or not.
* Server listening if any connection from client using s.listen().
* If connection available accept the client using s.accept().
* Then stop the server.

**Input:**

* Socket object.

**Output:**

* Simple server.

**Source code:**

#import socket module

import socket

#create socket object

s = socket.socket()

print("Socket created successfully")

port = 54546

#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())

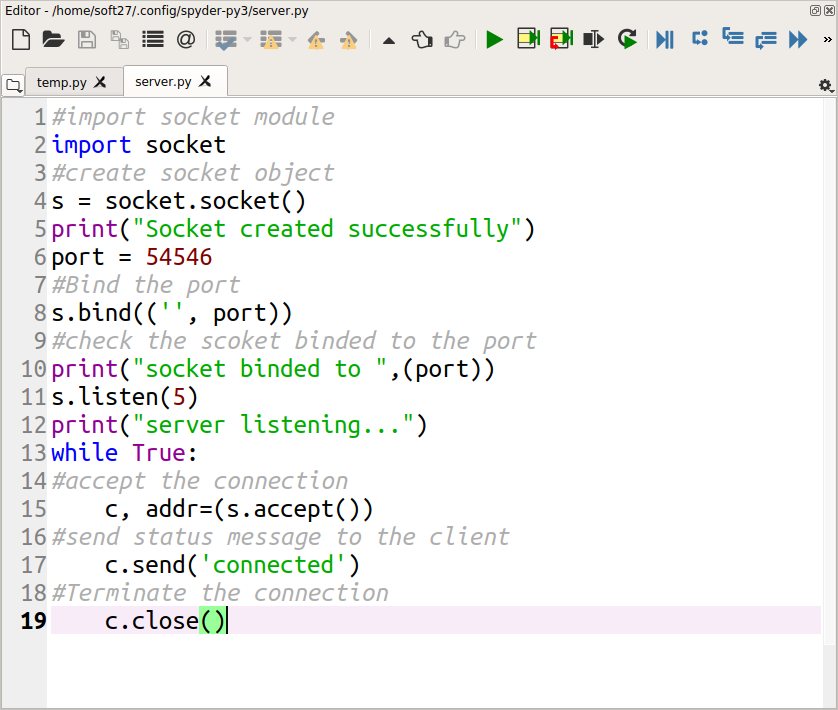
#send status message to the client

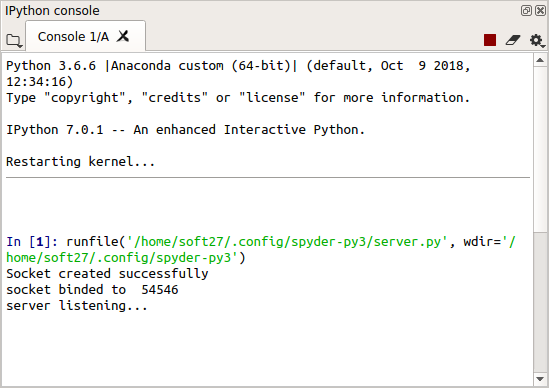
c.send('connected')

#Terminate the connection

c.close()

**Screen shots:**

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