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IBM18CS039

TCP

client

```
import Socket

Servertime = '127.0.0.1'
Serverport = 12345
client_Socket = Socket.Socket (Socket.AF_INET,
                                Socket. Sock_       )
client_Socket.connect ((ServerName, ServerPort))
Payload = 'Hey Server'
try:
    while True:
        client_Socket.Send (Payload.encode ('utf-8')
        data = client_Socket.recv (1024)
        Print (Str(data))
        more = input(' want to Send more data to
                                    the Server?)
        if more.lower() == 'y':
            Payload = input ("Enter payload");
                (1)
```

```
        else:
                break

        except KeyboardInterrupt:
                print ("Exited by User")
        client - Socket. close()
```

Server

```
import Socket

ServerName = '127.0.0.1'
ServerPort = 12345
Server_Socket = Socket. Socket (Socket. AF_INET, Socket.
                                        Sock_DGRAM)

Server-Socket. bind ((ServerName, ServerPort))
Server-Socket. listen (s)
while true:
        print ("Server waiting for connection")
client-Socket, addr = Server-Socket. accept()
print ("client connected from", addr)
while True:
        data = client-Socket. recv (1024)
        if not data or data. decode ('utf-8') == 'END':
```

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break

```
print (" Received from client client : %s" % data.
                                decode ("utf-8"))

try
client_Socket . Send ( bytes ("Hey client", 'utf-8'))
except :
print ("exited by the user")
client_Socket . close ()
```