```python
1  import zmq
2
3  def server():
4    context = zmq.Context()
5    socket  = context.socket(zmq.REP)        # create reply socket
6    socket.bind("tcp://*:12345")             # bind socket to address
7
8    while True:
9      message = socket.recv()                # wait for incoming message
10     if not "STOP" in str(message):         # if not to stop...
11       reply = str(message.decode())+'*'    # append "*" to message
12       socket.send(reply.encode())          # send it away (encoded)
13     else:
14       break                                # break out of loop and end
15
16  def client():
17    context = zmq.Context()
18    socket  = context.socket(zmq.REQ)        # create request socket
19
20    socket.connect("tcp://localhost:12345")  # block until connected
21    socket.send(b"Hello world")              # send message
22    message = socket.recv()                  # block until response
23    socket.send(b"STOP")                     # tell server to stop
24    print(message.decode())                  # print result
```