

```
1 import multiprocessing
2 import zmq, time
3
4 def server():
5     context = zmq.Context()
6     socket = context.socket(zmq.PUB)           # create a publisher socket
7     socket.bind("tcp://*:12345")              # bind socket to the address
8     while True:
9         time.sleep(5)                          # wait every 5 seconds
10        t = "TIME " + time.asctime()
11        socket.send(t.encode())                 # publish the current time
12
13 def client():
14     context = zmq.Context()
15     socket = context.socket(zmq.SUB)           # create a subscriber socket
16     socket.connect("tcp://localhost:12345")    # connect to the server
17     socket.setsockopt(zmq.SUBSCRIBE, b"TIME") # subscribe to TIME messages
18
19     for i in range(5):                         # Five iterations
20         time = socket.recv()                  # receive a message related to subscription
21         print(time.decode())                  # print the result
```