

TASK 14 - Handling a Closed Connection

TASK 13 - Realtime Database Concepts

TASK 15 - Initial Subscription
Communication

NECESSARY KNOWLEDGE

- `.z.pc`

I. AIM

The aim of this task is to extend the **TP** to enable it to cope with a subscriber disconnecting. If the **TP** does not remove subscribers it will still attempt to publish to them, which will result in `type errors.

II. INSTRUCTIONS

You will need to edit `tp.q` to complete this task. Within `tp.q` locate the line:

```
.z.pc:[h]
```

Extend this function such that it removes a subscriber is removes from the subscriber list when it disconnects from the **TP**.

III. TESTING

To test your code in one session start the tickerplant process:

```
q tp.q -p 5000 -tp_path /tmp
```

In a second session start the feedhandler:

```
q fh.q -p 4000 -tp localhost:5000
```

In the third session start a realtime database:

```
q rt.q -p 5001 -tp localhost:5000 -hdb /tmp/tick
```

Return to the **TP** session and type:

```
SUBS
```

The value of SUBS should be similar to:

```
,5
```

Now close your **RT** session and return to the **TP** session and again enter:

SUBS

SUBS should now have no value.

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