

TASK 10 - Event Logging

TASK 9 - Tickerplant Concepts

TASK 11 - Understand TP-RT
Subscription and Replay Concepts

NECESSARY KNOWLEDGE

- File I/O
- Parse Trees

I. AIM

The aim of this task is to extend the tickerplant (**TP**) so fulfills it's primary task, namely to log information coming from the feedhandler (**FH**).

II. INSTRUCTIONS

Before extending the tickerplant to log events it is necessary to understand parse trees. Go to [parse tree](#) on the kx code wiki and read what it says. Create some sample parse trees of your own and evaluate them until you understand them before proceeding with this task.

You will need to edit `tp.q` in this task. Look through the file and find functions:

```
set_log_name:{[path;d]  
  
create_log:{[]  
  
init:{  
  
log_to_tp:{[e]  
  
upd:{[t;d]
```

The comments within these functions describe how each function should be extended to allow the function to work correctly.

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 a third session start the simulator:

```
q simu.q -fh localhost:4000 -data data/messages
```

In the simulator session type:

```
do[10;pub[]]
```

Then return to the tickerplant session. Create a function called upd:

```
upd:{0N!(x;y);}
```

Then assign the log you have created to a variable:

```
test_log:get L
```

Then evaluate the first line in test_log:

```
value test_log 0
```

The function should return something similar to:

```
(`trade;`,`BASFn.DE;`,`67.51;`,`10))
```