01 HW 02

February 22, 2022

- 1 Distributed Systems (LTAT.06.007)
- 1.0.1 Seminar 2: Remote Procedure Calls (RPC) with threads in python

Student: ChengHan Chung

1. Running a Server

```
utlab@DESKTOP-S01IIEA:02_Seminar_2$ python3 rpyc_server.py
```

- 2. Running a Client
- 2.1. Pass arguments from client side to server function

```
[]: import rpyc
import sys

if len(sys.argv) < 2:
    exit("Usage {} SERVER".format(sys.argv[0]))

server = sys.argv[1]

conn = rpyc.connect(server,18812)
    conn.root.bubble_sort('[39,12,18,85,72,10,2]')</pre>
```

```
utlab@DESKTOP-S01IIEA:02_Seminar_2$ python3 rpyc_client.py localhost utlab@DESKTOP-S01IIEA:02_Seminar_2$
```

2.2. Receive arguments from client side and print the result of execution.

```
utlab@DESKTOP-S01IIEA:02_Seminar_2$ python3 rpyc_server.py

connected on 2022-02-22 15:50:38.667194

Unsorted Array: [39,12,18,85,72,10,2]

Sorted Array: [2, 10, 12, 18, 39, 72, 85]

disconnected on 2022-02-22 15:50:38.667194
```