

CMPE 230 Systems Programming

Homework 3

(this project can be done in groups of at most 2 students – Deadline: December 18th)

Develop a QT program that displays conversion rate information about crypto-currencies. Your Qt program should look like the following:

Time: 10:12:20	USD	EUR	GBP
Bitcoin	7462.79	6740.08	5698.52
Ethereum	149.58	135.09	114.22
Ripple	0.219641	0.198371	0.167716
Litecoin	45.83	41.39	35.0
Monero	54.35	49.07	41.49
Zcash	27.43	24.77	20.94

Documentation on how to get the information can be obtained from the web page:

<https://www.coingecko.com/api/documentations/v3>

For example: The http request :

`https://api.coingecko.com/api/v3/simple/price?ids=bitcoin,litecoin&vs_currencies=usd,eur,gbp`

returns you the following string from which you can extract the information you will display :

```
{"bitcoin":{"usd":7475.3,"eur":6752.45,"gbp":5710.84},"litecoin":{"usd":45.82,"eur":41.39,"gbp":35.0}}
```

The program should also display the current time and update the information every 20 seconds.