THORGATE

Python CodeClub
bit.ly/pythoncodeclub

Questions from last time

CodeClub mentors

- Help others and present your own challenges

- Special T-shirt to stand out from the others (soon :)

- Let us know and we will put your name down

- Try to come 30 minutes before next CodeClub starts

Today's challenge - Clock

You are given a time with format "%H:%M"

Calculate the angle between hour and minute hands

00:00 ->   0,0

03:00 ->   90,0

09:00 -> 270,0

Today's challenge - Clock (part 2)

Now, vice versa

Convert the angle into all possible time values
Round the possible values to full minutes

Today's challenge - Clock (part 3)

Create a method that takes angles for hour and minute hand separately and returns the time between midnight and noon

First argument - angle between 0 and hour hand
Second argument - angle between 0 and minute hand

Today's challenge - Clock (classes, tests)

Remember classes and unit tests from couple of weeks back?

Make sure all your methods are inside a class (e.g., Clock)

Create tests (if you don't have them already :)

Today's challenge - Clock (confirm)

Team up with someone and check your results with random inputs. Try to find and fix the problem if the results don't match

Compare your solutions and find pros and cons from both of them

Extra challenge

Try to solve these challenges in Python
http://www.pythonchallenge.com/

Create a class which has methods challenge_*() and return the resulting URL

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