

Practice assignment 1

Problem R1.7

First line prints «39+3».
Second line prints 42.

Problem R1.8

Hello World !

Problem R1.9 (This is not in py file)

Quotation mark is left out on the second string.

Problem R1.12

Tried using the sympy library to solve, but didn't manage.
I therefore performed a manual solution where I inserted the variables and changed the X until the account was depleted. The bank account is depleted after 23 years.

Problem R1.13

Because I performed a manual solution, this question is not relevant before I can see a correct algorithm for problem R1.12.

Problem R1.20

See .py file for code. Got the following output:

Bill: 500

Persons:5

The total cost of the meal was 575.0\$ where 500.0\$ was the bill and 75.0\$ the tip

Each person had to pay 115.0

For each person, the bill constituted 115.0 and the tip 15.0

Problem P1. 10



Problem P1.11

See .py file

Problem P1.16

To solve this I used the panda library and setup a dataframe.

English

Norwegian

0 Ronaldo is the best football player ever Ronaldo er den beste fotballspilleren noensinne

Problem R2.1 (This is not in py file)

The value of mystery is zero.

Problem R2.4

$$a) dm = m * \frac{\sqrt{1 + \frac{v}{c}}}{\sqrt{\frac{1-v}{c}} - 1}$$

$$b) volume = \pi * r^2 * h$$

$$c) volume = 4\pi r^3 * \frac{1}{3}$$

$$d) z = \sqrt{(x^2 + y^2)}$$

Problem P2.34

```
price:2.95
The price converts to 2 dollars and 95 cents.

In [71]: runcell(5, '/Users/sinfjell/OneDrive -
price:4.35
The price converts to 4 dollars and 35 cents.
```