



Exercises Text files extra

Exercise 1

In this exercise you make an extension of exercise 9 by also using the file *weather_2018 10.csv*.

Write a function ***read_month*** that allows the user to specify the month for which he wants to process the weather data. The user answers a number from 1 to 12. As long as he does not enter a correct number, the question will be asked again.

```
Choose a month: 20
Choose a month: 15
Choose a month: 13
Choose a month: 12
No data available for this month!
```

If the corresponding file exists, it will be opened in the main program. You only have data available for months 8 and 10.

The program then prints the following data.

```
Choose a month: 8

Period:  1/08/2018 0:00 - 8/08/2018 23:58
-----
The highest temperature in this period = 35.92 °C
This temperature was measured at 16:18h on 7/08/2018
```

```
Choose a month: 10

Period:  8/10/2018 0:00 - 15/10/2018 23:58
-----
The highest temperature in this period = 26.41 °C
This temperature was measured at 15:58h on 13/10/2018
```

Exercise 2

A company has two locations and on each location there is a stock warehouse (*stock1.txt* and *stock2.txt*). They want to know the total stock per article so that's why they want to merge the two files.

Write a program to merge both files into one stock file *stock3.txt*. Both input files are ordered by item number.

stock1.txt

```
item_number;stock
101-66601;12
101-76100;45
101-76200;19
101-76500;33
101-76700;15
101-76900;8
170-33100;54
```

stock2.txt

```
item_number;stock
101-61105;100
101-66601;84
101-76100;5
101-76200;13
101-76400;20
101-76900;32
170-01200;17
170-33100;6
170-37500;2
```

stock3.txt

```
item_number;stock
101-61105;100
101-66601;96
101-76100;50
101-76200;32
101-76400;20
101-76500;33
101-76700;15
101-76900;40
170-01200;17
170-33100;60
170-37500;2
```