# Portfolio picker

This program enables the user to enter a risk level (1-10) and prints the tickers of those share that are most suitable.

## The logic

The program researches to historical data from the past 5 years of each ticker, via Yahoo-finance. In addition, it also creates a Dataframe only containing the data from the past year. It then proceeds to calculate the variance and average yearly return. This information is then, with the help of a formula combined into a single value, which can be sorted via a bubble sort function.

## Installation

In order to be able to meaningfully execute the code, various libraries are required.

* quandl
* Numpy
* pandas
* pandas\_datareader

The easiest way to install those libraries is with pip:

1. *pip install quandl*
2. *pip install numpy*
3. *pip install pandas\_datareader*