

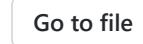
 djoseph-png / py-matecoin-trades

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 Public repository · Forked from [mate-academy/py-matecoin-trades](#)

  1 Branch  0 Tags  Go to file   Go to file  Add file  

This branch is up to date with mate-academy/py-matecoin-trades:master .

 IvanRamyk	Fix typo in readme	bccf8e7 · 2 years ago	
 .github/workflows	add auto-approve and tests	3 years ago	
 app	Matecoin trades	3 years ago	
 tests	fix tests	3 years ago	
 .flake8	Update .flake8	3 years ago	
 .gitignore	Initial commit	3 years ago	
 README.md	Fix typo in readme	2 years ago	
 requirements.txt	Update requirements.txt	3 years ago	

 README 

Matecoin trades

- Read [the guideline](#) before start

You have made some trades with the new cryptocurrency "Matecoin". In order to calculate profit you loaded json-file trades.json with trades description. Content of that file is list of JavaScript Objects , js objects very similar to python dict , where keys are "bought" - volume of coins, if you bought, "sold" - volume of coins, if you sold and matecoin_price - price for 1 Matecoin in dollars that day.

Example:

```
// trades.json
[
  {
    "bought": "0.00111",
    "sold": null,
    "matecoin_price": "48911.23"
  }
]
```

```
},
{
  "bought": null,
  "sold": "0.00058",
  "matecoin_price": "77830.83"
}
]
```

Write `calculate_profit` function, which takes the name of the file with trades information, converts inside data into python native data structure, counts money profit in dollars and current coin account, dumps that information in json and saves in file `profit.json`

```
// profit.json
{
  "earned_money": "-9.1495839",
  "matecoin_account": "0.00053"
}
```



Use `Decimal` instead of `float` here, because `float` do not provide sufficient accuracy for monetary transactions. All numbers in json should be presented in string format.

IMPORTANT: use `load` and `dump` methods for write/read.

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