# HOW TO USE CODE BEAUTIFIERS / FORMATTERS LIKE BLACK AND CODE BEAUTIFY

## IN PYTHON BY DR. ALVIN ANG

# How to use Code Beautifiers / Formatters like Black and Code Beautify

in Python by Dr. Alvin Ang

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[black.vercel.app](black.vercel.app) :

**Black Playground**

Playground for Black, the uncompromising Python code formatter.

black.vercel.app

[Python Formatter and Beautifier](Python Formatter and Beautifier) : [https://codebeautify.org/python-formatter-beautifier#](https://codebeautify.org/python-formatter-beautifier#)

**Original Code:**

```
[2]    1 import pandas as pd

       1 stock_list = ['DBS','Haw Par','Jardine C&C','OCBC','SGX','Singtel','ST Engineering',\
       2                'Thai Beverage','UOB','Venture','Wilmar','YZJ Shipbldg']
       3 stock_qty = [300,100,200,800,300,3000,1000,1000,300,100,1000,1000]
       4 avg_price=[31.23,11.50,20.95,11.39,9.07,2.38,3.78,0.66,26.61,18.68,4.15,1.30]
       5 mkt_cap =[82.54,2.52,8.39,51.24,10.11,40.29,11.80,16.70,45.14,5.49,26.76,5.20]
       6
       7 my_portfolio = {
       8    "quantity_owned": stock_qty,
       9    "average_buy_price": avg_price,
      10    'market_cap':mkt_cap
      11 }
      12
      13 df = pd.DataFrame(my_portfolio,columns=["average_buy_price","quantity_owned","market_cap"],index=stock_list)
      14 df
```

```python
import pandas as pd

stock_list = ['DBS','Haw Par','Jardine C&C','OCBC','SGX', 'Singtel','ST Engineer
stock_qty = [300,100,200,800,300,3000,1000,1000,300,100,1000,1000]
avg_price=[31.23,11.50,20.95,11.39,9.07,2.38,3.78,0.66,26.61,18.68,4.15,1.30]
mkt_cap =[82.54,2.52,8.39,51.24,10.11,40.29,11.80,16.70,45.14,5.49,26.76,5.20]

my_portfolio = {
  'quantity_owned': stock_qty,
  'average_buy_price': avg_price,
  'market_cap':mkt_cap
}

df = pd.DataFrame(my_portfolio,columns=['average_buy_price','quantity_owned','ma
df
```

**After Using Black:**



[black.vercel.app](black.vercel.app)

```python
stock_list = [
    "DBS",
    "Haw Par",
    "Jardine C&C",
    "OCBC",
    "SGX",
    "Singtel",
    "ST Engineering",
    "Thai Beverage",
    "UOB",
    "Venture",
    "Wilmar",
    "YZJ Shipbldg",
]
stock_qty = [300, 100, 200, 800, 300, 3000, 1000, 1000, 300, 100, 1000, 1000]
avg_price = [
    31.23,
    11.50,
```

```python
        20.95,
        11.39,
        9.07,
        2.38,
        3.78,
        0.66,
        26.61,
        18.68,
        4.15,
        1.30,
    ]
    mkt_cap = [
        82.54,
        2.52,
        8.39,
        51.24,
        10.11,
        40.29,
        11.80,
        16.70,
        45.14,
        5.49,
        26.76,
        5.20,
    ]

    my_portfolio = {
        "quantity_owned": stock_qty,
        "average_buy_price": avg_price,
        "market_cap": mkt_cap,
    }

    df = pd.DataFrame(
        my_portfolio,
        columns=["average_buy_price", "quantity_owned", "market_cap"],
        index=stock_list,
    )
    df
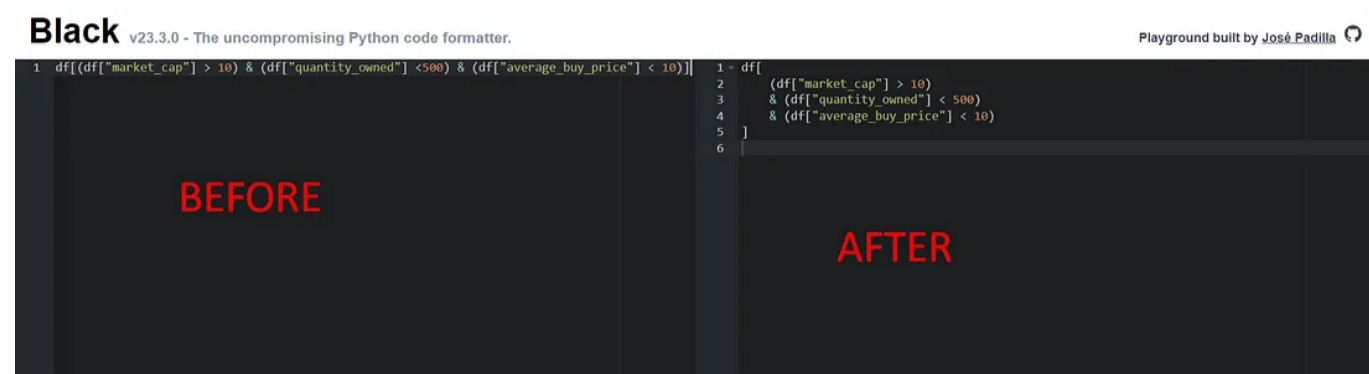```

## After Using Code Beautifier:



https://codebeautify.org/python-formatter-beautifier#

## Original Code:

```python
df[(df["market_cap"] > 10) & (df["quantity_owned"] <500) & (df["average_buy_price"] < 10)]
```

```
df[(df["market_cap"] > 10) & (df["quantity_owned"] <500) & (df["average_buy_pric
```

**After using Black:**



```
df[
  (df['market_cap'] > 10)
  & (df['quantity_owned'] < 500)
  & (df['average_buy_price'] < 10)
]
```

## About Dr. Alvin Ang



www.AlvinAng.sg

Dr. Alvin Ang earned his Ph.D., Masters and Bachelor degrees from NTU, Singapore. Previously he was a Principal Consultant (Data Science) as well as an Assistant Professor. He was also 8 years SUSS adjunct lecturer. His focus and interest is in the area of real world data science. Though an operational researcher by study, his passion for practical applications outweigh his academic background He is a scientist, entrepreneur, as well as a personal/business advisor.