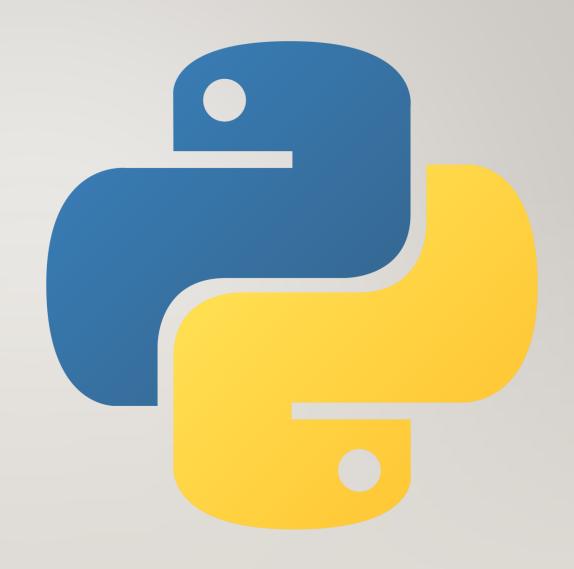
## PYTHON CLASS I I

**REVIEW** 

VENDING MACHINE PROJECT



## **REVIEW - DEBUGGING**

Waga hai wa yurusan!
Bad programming!

- Go to Mr. Hunter's Github page → https://github.com/davidcbhunter/POP2022
- Go to the Debugging Practice folder.
- Copy Debugging\_I\_name\_errors.py and Debugging\_2\_variable\_errors.py
- Fix the files so that they run and work correctly.



## VENDING MACHINE PROJECT

- Make 5 variables for different products (product1 = "Black Coffee", etc)
- Make 5 variables for different prices (price I = I30, etc)
- Make 5 variables for amounts (amount I = 50, etc). This is the number of cans or bottles in the vending machine.
- Make one variable for the money in the vending machine.
- Make a function that prints products and prices. Call the function ShowProducts.

Black Coffee	Milk Coffee	Juice	Energy Drink
130	130	160	220

- Ask the customer to pick a product. (Use input)
- If the product is OK and the amount is 1 or more, continue. Otherwise, print a message and stop.
- Ask the customer to enter money. (Use input. Remember to cast the input to an int)
- Check that the money is enough. If it is not, print a message.
- If the money is higher than the price, give change to the customer.
- If the money is enough, reduce the amount by I.

Challenge: Make these functions: IsEnoughMoney(cp,cm) -> returns if cm is enough money to buy cp

IsProduct(cp)  $\rightarrow$  returns if cp is product 1 / 2/3/4/5

Buy(cp,cm)  $\rightarrow$  contains the code here

## VENDING MACHINE PROJECT

- Make 5 variables for different products (product I = "Black Coffee", etc)
- Make 5 variables for different prices (price I = 130, etc)
- Make 5 variables for amounts (amount I = 50, etc.) This is the number of cans or bottles in the vending machine.
- Make one variable for the money in the vending machine.
- Make a function that prints products and prices. Call the function ShowProducts.

Black Coffee	Milk Coffee	Juice	Energy Drink
130	130	160	220

- Ask the customer to pick a product. (Use input)
- If the product is OK and the amount is I or more, continue. Otherwise, print a message and stop.
- Ask the customer to enter money. (Use input. Remember to cast the input to an int)
- Check that the money is enough. If it is not, print a message. If the money is higher than the price, give change to the customer.
- If the money is enough, reduce the amount by I.



