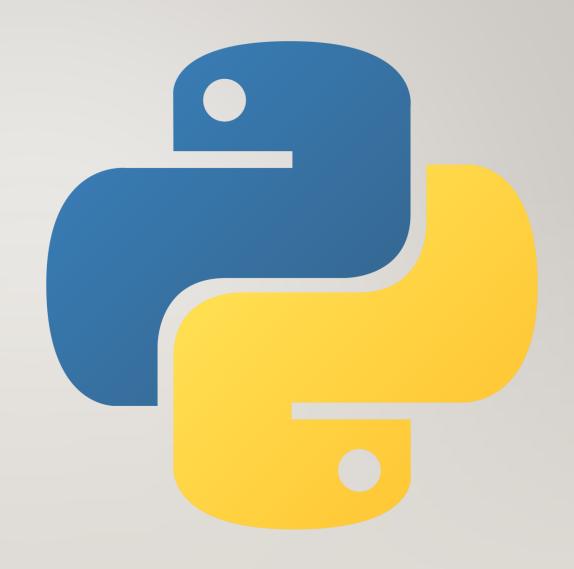# PYTHON CLASS 11

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_1_name_errors.py,
  Debugging_2_variable_errors.py, and
  Debugging_3_function_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 (price1 = 130, etc)

- Make 5 variables for amounts (amount1 = 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 1.

Challenge: Make these functions: IsEnoughMoney(cp,cm) →returns if cm is enough money to buy cp
IsProduct(cp) → returns if cp is product1 / 2/3/4/5
Buy(cp,cm) → contains the code here

VENDING MACHINE PROJECT

Otsukare!

- Make 5 variables for different products (product1 = "Black Coffee", etc)

- Make 5 variables for different prices (price1 = 130, etc)

- Make 5 variables for amounts (amount1 = 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 1.