

This is make up work for when I was absent. It was on january 30th, it's called Custom Calculator.

By Zoe Ko

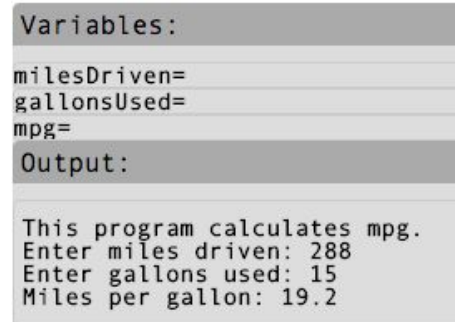
January 30

#1 Building a custom calculator

Task: Build a calculator app that provides the amount of Miles Per Gallon. (sample run below for the base calculator).

Rubric:

- Use comments to explain your choice for the data types
- Elevate your calculator to ask the user if she/he need to perform a new calculation (if yes the program should complete a new computation, else it should quit)
- Allow the user to exit the program if she/he wants to
- Upload program to your Github account



The screenshot shows a terminal window with two sections. The first section, titled 'Variables:', lists three variables: 'milesDriven=' with a value of 288, 'gallonsUsed=' with a value of 15, and 'mpg=' with a value of 19.2. The second section, titled 'Output:', shows the program's execution: 'This program calculates mpg.', followed by prompts 'Enter miles driven: 288' and 'Enter gallons used: 15', and finally the result 'Miles per gallon: 19.2'.

```
Variables:
milesDriven=288
gallonsUsed=15
mpg=19.2
Output:
This program calculates mpg.
Enter miles driven: 288
Enter gallons used: 15
Miles per gallon: 19.2
```

#2 Following the same rubric build a custom calculator to calculate the area of a rectangle.

```
miles_driven = 240
```

```
gallons_used = 4
```

```
print("This program calculates mpg.")
```

```
miles_driven = float(input("Enter miles driven: "))
```

```
gallons_used = float(input("Enter gallons used: "))
```

```
mpg= miles_driven / gallons_used
```

```
print("Your miles per gallon is", mpg)
```