# $GA_{lab1} + lab2$

## February 10, 2020

#### 1 lab1

#### 2 Variables

# 3 numbers

## 4 Mixed Practice

Your weather forecast for today is: High of 85, low of 69, with a 15% chance of precipitation.

#### 5 lab2

```
In [39]: def user_input_validation(user_input_month, user_input_day):
    if 1 > user_input_month or user_input_month > 12:
        valid_month = False
        print ("please enter correct month")
    else:
        valid_month = True
    if 1 > user_input_day or user_input_month > 31:
        valid_day = False
        print ("please enter correct day between 1 to 31")
    else:
        valid_day = True
    if valid_day == True and valid_month == True:
            return True
    else:
        return False
```

```
In [40]: #print("OK!") if user_input_validation() else print("Not quite!")
In [41]: user_input_validation(13,25)
please enter correct month
Out[41]: False
In [42]: user_input_validation(9,31)
Out[42]: True
6  Weather Data
In [43]: recent_temperatures = [67,67,68,69,71,73,75,76,79,81,81,80,82,81,81,80,78,75,72,70,67,6]
In [45]: def avg_temp(temp):
    for num in temp:
        num += num
        new_temp = num/len(temp)
    return new_temp

In [46]: avg_temp(recent_temperatures)
Out[46]: 5.5
```