Assignment 2 Report

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1 General remarks

1. You should not be calling your functions unless specifically stated. Just need to write the function that does the job, the grader will do it for you.

2. Failing test cases usually mean your code is wrong (or you are not following the rules eg by printing out extra stuff). Please make sure the test cases pass for full marks.

3. No `pass` in your solution please. It is for when you don't want to define a function, you will put `pass` as your placeholder.

4. Python is **SUPER** particular with indentation - don't use a mixture of tabs and spaces. The usual practice is to use 2 **spaces** or 4 **spaces**, which is usually equivalent to 1 `TAB`. You can change the settings in IDLE or your IDE.

2 Q1-3 Turtle

- This is the easy part, but remember to use loops - for loops, specifically. Since you have a clear number of time to loop (eg. number of sides, number of petals which are given).

- Only use `while` loops if you are not sure when to stop.

3 Q4

- Some of you have weird (but correct) counting:

```python
def check_age():
    print('Enter age:')
    age = int(input())
    count=0
    while age <1 or age >100:
        count +=1
        print('Enter age:')
        age = int(input())
    count +=1
    print('Your age is', age)
    print('Number of attempts =', count)
```

Where your count should technically start with 1 instead of the weird increment before printing. Count is tracking the times you ask, so when you ask user to enter for the first time the counter is already 1.

4 Q5

- Many of you have off-by-one error. To check from 1 to n inclusive, your range should be `range(1, n+1)`. Costly mistake! Obligatory joke

- The best solutions are really short:

```python
def find_winners(f, m, n):
    winners = 0
    for i in range(f, n+1, f): # why does this work?
        if str(m) in str(i):
            winners += 1
    return winners
```