

CS414: Recitation #2. Your Name: \_\_\_\_\_

**You are free to work together with other students, but you should turn in your own copy of your work. You can use a computer, but try to figure it out first.**

Here are ten examples of bad Python code. In each case, explain what's wrong with the code.

1.

```
x = int(raw_input('Enter x :'))
if x > 3:
    x = x + y
```

2.

```
a = raw_input('Gimme a number: ')
if a > 0:
    print a + ' is Positive'
elif a == 0:
    print a + ' is Zero'
elif a < 0:
    print a + ' is Negative'
```

3.

```
if x < 3:
    print "x is small"
else
    print 'x is biggish'
```

4. I thought this was going to print the following:

**True**

**True**

but it doesn't!

```
x = 3
print 3==x
x ='3'
print 3==x
```

5.

```
number = random.randint(1,100)

print "Welcome to the guessing game"
name = raw_input("what is your name? ")
print "Hi there,", name
print " I'm thinking of a number between 1 and 100"

while True:
    guess = int(input("guess: ") )
    if guess > number:
        print "too high!"
    if guess < number:
        print "too low!"
    if guess == number:
        print "yay! You guessed the number!"
        break
```

6.

```
Brian = 'Always look on the bright side of life!'
print brian
```

7.

```
sum = 0
for x in range(1,11):
    sum += x
print sum
```

8.

```
print 'Hello!  What is your name?'
name = raw_input

print 'Hi', name, 'how are you doing?'
response = raw_input

if response == 'Good':
    print 'That\'s great!'
else:
    print 'I\'m sorry to hear that.'
```

9.

```
name = raw_input('What is your name? ')
print 'Hello,', name, 'it's nice to meet you'
```

10. I thought this was going to print 2, 4, 6, 8, but it doesn't

```
x = 0
for x in range(0, 10):
    x += 2
    print x
```