

In-class Quiz 5

CSCI040, Computing for the Web

Total Score: /10

Name: (2pt)

Note: The attached handout implements several python functions that are used in the following problems.

Problem 1. (2pt) The following code (circle one)

terminates successfully

runs forever

generates an error

If the code terminates successfully, what is the output of the code? If the code runs forever or generates an error, explain why.

```
x = foo(4)
y = bar(2)
z = baz(0)
print('z=', z)
```

Problem 2. (2pt) The following code (circle one)

terminates successfully

runs forever

generates an error

If the code terminates successfully, what is the output of the code? If the code runs forever or generates an error, explain why.

```
x = bar(j=3, i=2)
y = foo(i=x)
z = baz()
print('z=', z)
```

Problem 3. (2pt) The following code (circle one)

terminates successfully

runs forever

generates an error

If the code terminates successfully, what is the output of the code? If the code runs forever or generates an error, explain why.

```
y = foo(bar(1,2))
```

Problem 4. (2pt) The following code (circle one)

terminates successfully

runs forever

generates an error

If the code terminates successfully, what is the output of the code? If the code runs forever or generates an error, explain why.

```
z = baz(baz(baz()))
```

In-class Quiz 5 Supplement

CSCI040, Computing for the Web

This supplement defines several sets of functions. Different versions of the quiz are defined by using different sets of functions below.

```
def foo(i):
    if i < 10:
        return -i
    else:
        return i

def bar(i, j):
    print(i+j)

def baz(x = 3):
    return foo(x) + bar(x-1, x+1)
```

```
def foo(i):
    sum=0
    for j in range(i):
        sum+=j
        print(sum)
    return 'sum'

def bar(a, b):
    return 'a+b'

def baz(x = -1):
    return baz(x)
```

```
def foo(i):
    for i in range(3):
        print('foo')
    return 3

def bar(i, j):
    for i in range(3):
        return i+j

def baz(x = 3):
    return foo(x) + foo(x-1)
```
