

## Quiz 3

ZJUI CS 101, FALL 2016

STUDENT ID:

NAME:

**Question 1.** What is the final value of **a** in the end of the program below?

```
a = 100
def fun(a,b):
    return a + b
a = fun( a, 50 ) + a
```

A 200

B 250

C 300

**Question 2.** What is the final value of **x** in the end of the program below?

```
x = 20
if ((x/2) < 5) or ((x%3) == 1):
    x = x + 2
if (x != 10) or ((x**2) <= 144):
    x = x * 2
```

A 20

B 22

C 40

D 42

**Question 3.** What is the final value of **x** in the end of the program below?

```
def fun(x):
    if x or x:
        return not x
    return x and x

x = fun(True) or fun(False)
```

A True

B False

**Question 4.** What is the value of **x** in the end of the following program?

```
def fun(a,b):
    if len(a)+len(b) > 5:
        return (a+b)[0:5]
    return (b+a)+str(len(a))

x = fun("abc","de") + fun("fgh","ijk")
```

A 'deabc3ijkfgh3'

B 'deabc3fghij'

C 'abcdefghij'