

In-class Quiz 4a (practice, do not turn in)

CSCI040, Computing for the Web

Total Score: /10

Name: (2pt)

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

terminates successfully

runs forever

generates an error

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

```
d={}
while len(d)<5:
    d[len(d)]= 'test '
print( 'len(d)=',len(d))
```

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

terminates successfully

runs forever

generates an error

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

```
d={}
d.append( '1 ', 'a ')
d.append( '2 ', 'b ')
d.append( '2 ', 'c ')
print(d[ '1 '])
```

The following two problems assume that the following dictionary is defined.

```
grades={
    'alice':{ 'hw1':99, 'hw2':88},
    'bob':{ 'hw1':82, 'hw2':91},
}
```

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

terminates successfully

runs forever

generates an error

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

```
for k,v in grades.items():
    print(v[ 'hw1 '])
```

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

terminates successfully

runs forever

generates an error

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

```
grades[ 'charlie ']=[( 'hw1 ',88),( 'hw2 ',72)]
for k in grades[ 'charlie '].keys():
    print(grades[ 'charlie '][k])
```