In-class Quiz 4

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

```
d={}
i=0
while i>5 and i<10:
        d[i]='test'
        i+=1
print('d[9]=',d[9])
```

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.

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

```
for v in grades.values():
    print(v['hw1'])
```

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.

```
grades['charlie']=[('hw1',88),('hw2',72)]
i=0
while i<len(grades):
    print(grades[i])
```