

Review Questions

1. What is the output produced by the following code?

```
d = {'a': 0, 'b': 1, 'c': 2}
print(d['c'])
```

- (a) c
- (b) 2 ✓
- (c) 'c' : 2
- (d) This code produces an error.

2. What is the output produced by the following code?

```
d = {'a': 0, 'b': 1, 'c': 2}
print(d[2])
```

- (a) c
- (b) 2
- (c) 'c' : 2
- (d) This code produces an error. ✓

Since 2 is a value, it can not be represented in the same way as a key in the code. Had a key been replaced by the value in that position, then it would print the value..

3. What is the output produced by the following code?

```
d = {'a': 0, 'b': 1, 'c': 2}
print(d.get(2, 'c'))
```

- (a) c ✓
- (b) 2
- (c) 'c' : 2
- (d) This code produces an error.

4. What is the output produced by the following code?

```
d = {'a': 0, 'b': 1, 'c': 2}
for x in sorted(d):
    print(d[x], end=" ")
```

- (a) a b c
- (b) 0 1 2 ✓
- (c) ('a', 0) ('b', 1) ('c', 2)
- (d) This code produces an error.

5. What is the output produced by the following code?

```
d = {'a': 0, 'b': 1, 'c': 2}
for x in sorted(d.values()):
    print(x, end=" ")
```

- (a) a b c ✓
- (b) 0 1 2
- (c) ('a', 0) ('b', 1) ('c', 2)
- (d) This code produces an error.

6. What is the output produced by the following code?

```
d = {'a': 0, 'b': 1, 'c': 2}
for x in sorted(d.items()):
    print(x, end=" ")
```

- (a) a b c
- (b) 0 1 2
- (c) ('a', 0) ('b', 1) ('c', 2) ✓
- (d) This code produces an error.

7. What is the output produced by the following code?

```
d = {'a': 0, 'b': 1, 'c': 2}
for x in sorted(d.keys()):
    print(x, end=" ")
```

- (a) a b c ✓
- (b) 0 1 2
- (c) ('a', 0) ('b', 1) ('c', 2)
- (d) This code produces an error.

8. What is the output produced by the following code?

```
pres = {'george': 'washington', 'thomas': 'jefferson', 'john': 'adams'}
print(pres.get('washington', 'dc'))
```

- (a) george
- (b) washington
- (c) dc ✓
- (d) This code produces an error.

9. What is the output produced by the following code?

```
pres = {'george': 'washington', 'thomas': 'jefferson', 'john': 'adams'}
for p in sorted(pres):
    print(p, end=" ")
```

- (a) george thomas john
- (b) george john thomas ✓
- (c) washington jefferson adams
- (d) adams jefferson washington
- (e) None of the above.