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Python Dictionary Quiz

Last Updated : Jan 3, 2025

Discuss💬

Question 1

Find the output of the following program:

```
d = dict()
for x in enumerate(range(2)):
    d[x[0]] = x[1]
    d[x[1]+7] = x[0]
print(d)
```

A {0: 1, 7: 0, 1: 1, 8: 0}

B {1: 1, 7: 2, 0: 1, 8: 1}

C {0: 0, 7: 0, 1: 1, 8: 1}

D KeyError

Discuss it

Explanation

enumerate() will return a tuple, the loop will have x = (0, 0), (1, 1). Thus D[0] = 0, D[1] = 1, D[0 + 7] = D[7] = 0 and D[1 + 7] = D[8] = 1.

Note: Dictionary is unordered, so the sequence of the key-value pair may differ in each o
utput.

Question 2

Find the output of the following program:

```
d = {1 : 1, 2 : '2', '1' : 1, '2' : 3}
d['1'] = ?
```

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Question 2

Find the output of the following program:

```
d = {1 : 1, 2 : '2', '1' : 1, '2' : 3}
d['1'] = 2
print(d[d[d[str(d[1])]]])
```

- ☐ A 2
- ☒ B 3
- ☐ C '2'
- ☐ D KeyError

Discuss it

Explanation

Simple key-value pair is used recursively, $D[1] = 1$, $\text{str}(1) = '1'$. So, $D[\text{str}(D[1])] = D['1'] = 2$, $D[2] = '2'$ and $D['2'] = 3$.

Question 3

Find the output of the following program:

```
d = {1 : {'A' : {1 : "A"}, 2 : "B"}, 3 : "C", 'B' : "D", "D" : 'E'}
print(d[d[d[1][2]]], end = " ")
print(d[d[1]["A"]][2])
```

- ☐ A C B
- ☒ B E Key Error
- ☐ C B D
- ☐ D D B



Question 4

Find the output of the following program:

```
d = dict()
for i in range(3):
    for j in range(2):
        d[i] = j
print(d)
```



- (A) {0: 0, 1: 0, 2: 0}
- (B) {0: 1, 1: 1, 2: 1}
- (C) {0: 0, 1: 0, 2: 0, 0: 1, 1: 1, 2: 1}
- (D) TypeError: Immutable object

Discuss it

Explanation

1st loop will give 3 values to i 0, 1 and 2. In the empty dictionary, values are added and overwritten in j loop, for eg. D[0] = [0] becomes D[0] = 1, due to overwriting.

Question 5

Question 5: Find the output of the following program:

```
d = {1 : [1, 2, 3], 2: (4, 6, 8)}
d[1].append(4)
print(d[1], end = " ")
li = d[2]
li.append(10)
d[2] = tuple(L)
print(d[2])
```



- (A) [1, 2, 3, 4] ((4, 6, 8), 10)
- (B) [1, 2, 3, 4] (4, 6, 8, 10)
- (C) [1, 2, 3, 4] TypeError: tuples are immutable





Question 6

What will be the output of the following code?

```
s = "GeeksforGeeks"  
print(s[0], s[-1])
```



(A) . G G

(B) G s

(C) G k

(D) e k

Discuss it

Explanation

`s[0]` accesses the first character 'G' and `s[-1]` accesses the last character 's'.

Question 7

Find the output of the following program:

```
a = {}  
a.fromkeys(['a', 'b', 'c', 'd'], 98)  
print (a)
```



(A) Syntax error

(B) {'a':98, 'b':98, 'c':98, 'd':98}

(C) {'a':None, 'b':None, 'c':None, 'd':None}

(D) {}

Discuss it





Question 8

Find the output of the following program:

```
dict = {}  
print (all(dict))
```



- ☐ A {}
- ☐ B False
- ☒ C True
- ☐ D An exception is thrown

Discuss it

Explanation

The all() method returns:

- True – If all elements in an iterable are true or iterable is empty.
- False – If any element in an iterable is false.

Question 9

Find the output of the following program:

```
a = {'geeks' : 1, 'gfg' : 2}  
b = {'geeks' : 2, 'gfg' : 1}  
print (a == b)
```



- ☐ A True
- ☒ B False
- ☐ C Error
- ☐ D None



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Question 9

Find the output of the following program:

```
a = {'geeks' : 1, 'gfg' : 2}
b = {'geeks' : 2, 'gfg' : 1}
print (a == b)
```

A

True

B

False

C

Error

D

None

Discuss it

Explanation

If two dictionary are the same it returns true, otherwise it returns false.

Question 10

Which of the following is FALSE about dictionary?

A

The values of a dictionary can be accessed using keys

B

The keys of a dictionary can be accessed using values

C

Both of the above

D

None of the above

Discuss it

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