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 output.

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

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, str(1) = '1'. So, D[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:

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

Ⓐ {0 0 1 0 2 0}

Ⓑ {0 1, 1 1, 2 1}

Ⓒ {0 0 1 0 2 0 0 1 1 1 2 1}
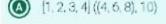
Ⓓ TypeError Immutable object

Discuss it

Explanation

1st loop will give 3 values to i 0, 1 and 2. In the empty dictionary, valued are added and o verwrited 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:

```python
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])
```

Ⓐ [1, 2, 3, 4] ((4, 6, 8), 10)

Ⓑ [1 2, 3 4] (4, 6, 6, 10)

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) c 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 ot 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

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

Explanation

The values of a dictionary can be accessed using keys but the keys of a dictionary can't be accessed using values.

Question 11

Find the output of the following program:

```
d = {'GFG' : 'geeksforgeeks.org',
      'google' : 'google.com',
      'facebook' : 'facebook.com'
```