PYTHON – STRINGS, LIST, TUPLES, DICTIONARY

1. What is the output of the following?

print("xyyzxyzxzxyy".count('yy'))

a)2  
b)0  
c)error  
d) none of the mentioned

*Ans= 2*

2. What is the output of the following?

print("xyyzxyzxzxyy".count('xyy', 2, 11))

a)2  
b)0  
c)1  
d) error

Ans= 0

3. What is the output of the following?

print("abcDEF".capitalize())

a)abcdef  
b)ABCDEF  
c)Abcdef  
d)AbcDef

Ans = c

4. What is the output of the following?

print("abcdef".center())

a)cd  
b)abcdef  
c)error  
d) none of the mentioned

Ans = c

5. What is the output of the following?

print("abcdef".center(7, 1))

a)1abcdef  
b)abcdef1  
c)abcdef  
d) error

Ans=D

6.What is “Hello”.replace(“l”,“e”)  
a)Heeeo  
b)Heelo  
c)Heleo  
d) None

Ans =a

7. To return the length of string s what command do we execute ?  
a) s.\_\_len\_\_()  
b) len(s)  
c) size(s)  
d) s.size()

Ans:- b

8. To check whether string s1 contains another string s2, use  
a) s1.\_\_contains\_\_(s2)  
b) s2 in s1  
c) s1.contains(s2)  
d) si.in(s2)

Ans= a

9. Which of the following statement prints hello\example\test.txt ?  
a) print(“hello\example\test.txt”)  
b) print(“hello\\example\\test.txt”)  
c) print(“hello\”example\”test.txt”)  
d) print(“hello”\example”\test.txt”)

Ans = b

10. The format function, when applied on a string returns :  
a) Error  
b) int  
c) bool  
d) str

Ans = d

11. What is the output of “hello”+1+2+3 ?  
a) hello123  
b) hello  
c) Error  
d) hello6

Ans = c

12. What arithmetic operators cannot be used with strings ?  
a) +  
b) \*  
c) –  
d) All of the mentioned

Ans =c

13. What is the output of the following?

print("ab\tcd\tef".expandtabs())

1. ab cd ef  
   b) abcdef  
   c) ab\tcd\tef  
   d) ab cd ef

Ans = a

14. What is the output of the following?

print("abcdef".find("cd"))

a)True  
b)2  
c)3  
d) None of the mentioned

Ans = b

15. What is the output of the following?

print("Hello {} and {}".format('foo', 'bin'))

a)Hello foo and bin  
b) Hello {} and {}  
c) Error  
d) Hello and

Ans = a

16. What is the output of the following?

print('ab,12'.isalnum())

1. True  
   b) False  
   c) None  
   d) Error

Ans = a

17. What is the output of the following?

print('abc'.islower())

a) True  
b) False  
c) None  
d) Error

Ans= a

18. What is the output of the following?

print('Hello!2@#World'.istitle())

1. True  
   b) False  
   c) None  
   d) error

Ans = a

19. What is the output of the following?

print('xyyzxxyxyy'.lstrip('xyy'))

a) error  
b) zxxyxyy  
c) z  
d) zxxy

Ans =b

20.What is the output of the following?

print('abcdef'.partition('cd'))

1. (‘ab’, ‘ef’)  
   b) (‘abef’)  
   c) (‘ab’, ‘cd’, ‘ef’)  
   d) 2

Ans =c

21. What is the output of the following?

print('cd'.partition('cd'))

1. (‘cd’)  
   b) (”)  
   c) (‘cd’, ”, ”)  
   d) (”, ‘cd’, ”)

Ans= d

22. What is the output of the following?

print('abcdefcdghcd'.split('cd'))

a) [‘ab’, ‘ef’, ‘gh’].  
b) [‘ab’, ‘ef’, ‘gh’, ”].  
c) (‘ab’, ‘ef’, ‘gh’)  
d) (‘ab’, ‘ef’, ‘gh’, ”)

Ans=d

LIST

1. Which of the following commands will create a list?  
   a) list1 = list()  
   b) list1 = [].  
   c) list1 = list([1, 2, 3])  
   d) all of the mentioned

Ans = d

1. Suppose listExample is [‘h’,’e’,’l’,’l’,’o’], what is len(listExample)?  
   a) 5  
   b) 4  
   c) None  
   d) Error

Ans =a

3. Suppose list1 is [2445,133,12454,123], what is max(list1) ?  
a) 2445  
b) 133  
c) 12454  
d) 123

Ans=c

1. Suppose list1 is [4, 2, 2, 4, 5, 2, 1, 0], Which of the following is correct syntax for slicing operation ?  
   a) print(list1[0])  
   b) print(list1[:2])  
   c) print(list1[:-2])  
   d) all of the mentioned

Ans=d

1. Suppose list1 is [2, 33, 222, 14, 25], What is list1[:-1] ?  
   a) [2, 33, 222, 14].  
   b) Error  
   c) 25  
   d) [25, 14, 222, 33, 2].

Ans =d

6. What is the output when following code is executed ?

names = ['Amir', 'Bear', 'Charlton', 'Daman']

print(names[-1][-1])

1. A  
   b) Daman  
   c) Error  
   d) n

Ans= d

7. Suppose list1 is [1, 3, 2], What is list1 \* 2 ?  
a) [2, 6, 4].  
b) [1, 3, 2, 1, 3].  
c) [1, 3, 2, 1, 3, 2] .  
D) [1, 3, 2, 3, 2, 1].

Ans=c

8. 6. To add a new element to a list we use which command ?  
a) list1.add(5)  
b) list1.append(5)  
c) list1.addLast(5)  
d) list1.addEnd(5)

Ans=b

9. Suppose list1 is [3, 4, 5, 20, 5, 25, 1, 3], what is list1.count(5) ?  
a) 0  
b) 4  
c) 1  
d) 2

Ans=2

10.Suppose list1 is [3, 4, 5, 20, 5, 25, 1, 3], what is list1 after list1.reverse() ?  
a) [3, 4, 5, 20, 5, 25, 1, 3].  
b) [1, 3, 3, 4, 5, 5, 20, 25].  
c) [25, 20, 5, 5, 4, 3, 3, 1].  
d) [3, 1, 25, 5, 20, 5, 4, 3].

Ans=3

11. 4. Suppose listExample is [3, 4, 5, 20, 5, 25, 1, 3], what is list1 after listExample.pop()?  
a) [3, 4, 5, 20, 5, 25, 1].  
b) [1, 3, 3, 4, 5, 5, 20, 25].  
c) [3, 5, 20, 5, 25, 1, 3].  
d) [1, 3, 4, 5, 20, 5, 25].

Ans=a

12. What will be the output?

names1 = ['Amir', 'Bala', 'Chales']

if 'amir' in names1:

print(1)

else:

print(2)

1. None  
   b) 1  
   c) 2  
   d) Error

Ans=c

13. What will be the output?

list1 = [1, 2, 3, 4]

list2 = [5, 6, 7, 8]

print(len(list1 + list2))

1. 2  
   b) 4  
   c) 5  
   d) 8

Ans=d

14. 4. Suppose listExample is [3, 4, 5, 20, 5, 25, 1, 3], what is list1 after listExample.pop()?  
a) [3, 4, 5, 20, 5, 25, 1].  
b) [1, 3, 3, 4, 5, 5, 20, 25].  
c) [3, 5, 20, 5, 25, 1, 3].  
d) [1, 3, 4, 5, 20, 5, 25].

Ans=a

15. 4. What will be the output?

numbers = [1, 2, 3, 4]

numbers.append([5,6,7,8])

print(len(numbers))

1. 4  
   b) 5  
   c) 8  
   d) 12

Ans=5

TUPLES

This set of Python Multiple Choice Questions & Answers (MCQs) focuses on “Tuples – 1”.

1. Which of the following is a Python tuple?  
   a) [1, 2, 3].  
   b) (1, 2, 3)  
   c) {1, 2, 3}  
   d) {}

Ans=b

1. 2. Suppose t = (1, 2, 4, 3), which of the following is incorrect?  
   a) print(t[3])  
   b) t[3] = 45  
   c) print(max(t))  
   d) print(len(t))

Ans=b

3. If a=(1,2,3,4), a[1:-1] is  
a) Error, tuple slicing doesn’t exist  
b) [2,3].  
c) (2,3,4)  
d) (2,3)

4. What is the output of the following code?

>>> a=(1,2,3,4)

>>> del(a[2])

a) Now, a=(1,2,4)  
b) Now, a=(1,3,4)  
c) Now a=(3,4)  
d) Error as tuple is immutable

5. Is the following piece of code valid?

>>> a=(1,2,3,4)

>>> del a

a) No because tuple is immutable  
b) Yes, first element in the tuple is deleted  
c) Yes, the entire tuple is deleted  
d) No, invalid syntax for del method

6. What type of data is: a=[(1,1),(2,4),(3,9)]?  
a) Array of tuples  
b) List of tuples  
c) Tuples of lists  
d) Invalid type

Ans=b

7. What is the output of the following piece of code when executed in Python shell?

>>> a=(1,2)

>>> b=(3,4)

>>> c=a+b

>>> c

1. (4,6)  
   b) (1,2,3,4)  
   c) Error as tuples are immutable  
   d) None

Ans=b

8. What is the output of the following code?

>>> a,b=6,7

>>> a,b=b,a

>>> a,b

1. (6,7)  
   b) Invalid syntax  
   c) (7,6)  
   d) Nothing is printed

Ans=c

9. What is the output of the following piece of code when executed in Python shell?

a=("Check")\*3

a

1. (‘Check’,’Check’,’Check’)  
   b) \* Operator not valid for tuples  
   c) (‘CheckCheckCheck’)  
   d) Syntax error

Ans=

10. Is the following piece of code valid?

>>> a=(1,2,3)

>>> b=('A','B','C')

>>> c=zip(a,b)

1. Yes, c will be ((1,2,3),(‘A’,’B’,’C’))  
   b) Yes, c will be ((1,2,3),(‘A’,’B’,’C’))  
   c) No because tuples are immutable  
   d) No because the syntax for zip function isn’t valid

DICTIONARY

1. Which of the following statements create a dictionary?  
   a) d = {}  
   b) d = {“john”:40, “peter”:45}  
   c) d = {40:”john”, 45:”peter”}  
   d) All of the mentioned

Ans=d

2. 2. Read the code shown below carefully and pick out the keys?

d = {"john":40, "peter":45}

1. “john”, 40, 45, and “peter”  
   b) “john” and “peter”  
   c) 40 and 45  
   d) d = (40:”john”, 45:”peter”)

Ans=b

3. What will be the output?

d = {"john":40, "peter":45}

"john" in d

1. True  
   b) False  
   c) None  
   d) Error

Ans=a

4. What will be the output?

d1 = {"john":40, "peter":45}

d2 = {"john":466, "peter":45}

print(d1 > d2)

1. True  
   b) False  
   c) Error  
   d) None

Ans=c

5. What is the output?

d = {"john":40, "peter":45}

print(d["john"])

a) 40  
b) 45  
c) “john”  
d) “peter”

Ans=a

1. Suppose d = {“john”:40, “peter”:45}, to delete the entry for “john” what command do we use  
   a) d.delete(“john”:40)  
   b) d.delete(“john”)  
   c) del d[“john”].  
   d) del d(“john”:40)

Ans=c

7. What will be the output?

d = {"john":40, "peter":45}

print(list(d.keys()))

1. [“john”, “peter”].  
   b) [“john”:40, “peter”:45].  
   c) (“john”, “peter”)  
   d) (“john”:40, “peter”:45)

Ans=a

8. What is the output of the following piece of code?

a={1:"A",2:"B",3:"C"}

print(a.get(1,4))

a)1  
b) A  
c) 4  
d) Invalid syntax for get method

Ans=b

9.What is the output of the following code?

a={1:"A",2:"B",3:"C"}

a.clear()

print(a)

1. None  
   b) { None:None, None:None, None:None}  
   c) {1:None, 2:None, 3:None}  
   d) { }

Ans=d

10. What is the output of the following snippet of code?

test = {1:'A', 2:'B', 3:'C'}

test = {}

print(len(test))

1. 0  
   b) None  
   c) 3  
   d) An exception is thrown

Ans=

11.What is the output of the following piece of code?

a={'B':5,'A':9,'C':7}

sorted(a)

a) [‘A’,’B’,’C’].  
b) [‘B’,’C’,’A’].  
c) [5,7,9].  
d) [9,5,7].

Ans=a

12. What is the output of the following piece of code when executed in Python shell?

a=dict()

a[1]

1. An exception is thrown since the dictionary is empty  
   b) ‘ ‘  
   c) 1  
   d) 0

Ans=a

ALL THE BEST