Python MCQs

Spurthi 2k20

3rd and 4th Years

Set 3

1. What will be the output of the following Python code snippet?

not(10<20) and not(10>30)

a) True

b) False

c) Error

d) No output

2. Which of these is false about recursion?

a) Recursive function can be replaced by a non-recursive function

b) Recursive functions usually take more memory space than non-recursive function

c) Recursive functions run faster than non-recursive function

d) Recursion makes programs easier to understand

3. What will be the output of the following Python code?

def test(i,j):

if(i==0):

return j

else:

return test(i-1,i+j)

print(test(4,7))

a) 13

b) 7

c) Infinite loop

d) 17

4. What will be the output of the following Python code?

l=[]

def convert(b):

if(b==0):

return l

dig=b%2

l.append(dig)

convert(b//2)

convert(6)

l.reverse()

for i in l:

print(i,end="")

a) 011

b) 110

c) 3

d) Infinite loop

5. What will be the output of the following Python code?

def f1(x):

global x

x+=1

print(x)

f1(15)

print("hello")

a) error

b) hello

c) 16

d) 16

hello

6. What will be the output of the following Python code?

x=12

def f1(a,b=x):

print(a,b)

x=15

f1(4)

a) Error

b) 12 4

c) 4 12

d) 4 15

7. What will be the output of the following Python function?

divmod(10.5,5)

divmod(2.4,1.2)

a)

(2.00, 0.50)

(2.00, 0.00)

b)

(2, 0.5)

(2, 0)

c)

(2.0, 0.5)

(2.0, 0.0)

d)

(2, 0.5)

(2)

8. The function complex(‘2-3j’) is valid but the function complex(‘2 – 3j’) is invalid.

a) True

b) False

9. What will be the output of the following Python code?

a=10

b=20

def change():

global b

a=45

b=56

change()

print(a)

print(b)

a)

10

56

b)

45

56

c)

10

20

d) Syntax Error

10. What will be the output of the following Python code?

def change(i = 1, j = 2):

i = i + j

j = j + 1

print(i, j)

change(j = 1, i = 2)

a) An exception is thrown because of conflicting values

b) 1 2

c) 3 3

d) 3 2

11. What will be the output of the following Python code?

>>> a,b=6,7

>>> a,b=b,a

>>> a,b

a) (6,7)

b) Invalid syntax

c) (7,6)

d) Nothing is printed

12. What will be the output of the following Python code?

>>> import collections

>>> a=collections.namedtuple('a',['i','j'])

>>> obj=a(i=4,j=7)

>>> obj

a) a(i=4, j=7)

b) obj(i=4, j=7)

c) (4,7)

d) An exception is thrown

13. What will be the output of the following Python code snippet?

for x in set('pqr'):

print(x\*2)

a)

pp

qq

rr

b)

pqr

pqr

c) ppqqrr

d) pqrpqr

14. What will be the output of the following Python code snippet?

{a\*\*2 for a in range(4)}

a) {1, 4, 9, 16}

b) {0, 1, 4, 9, 16}

c) Error

d) {0, 1, 4, 9}

15. What will be the output of the following Python code?

s1={1, 2, 3}

s2={4, 5, 6}

s1.isdisjoint(s2)

s2.isdisjoint(s1)

a)

True

False

b)

False

True

c)

True

True

d)

False

False

16. What will be the output of the following Python code?

s1={3, 4}

s2={1, 2}

s3=set()

i=0

j=0

for i in s1:

for j in s2:

s3.add((i,j))

i+=1

j+=1

print(s3)

a) {(3, 4), (1, 2)}

b) Error

c) {(4, 2), (3, 1), (4, 1), (5, 2)}

d) {(3, 1), (4, 2)}

17. What will be the output of the following Python code?

string = "my name is x"

for i in string:

print (i, end=", ")

a) m, y, , n, a, m, e, , i, s, , x,

b) m, y, , n, a, m, e, , i, s, , x

c) my, name, is, x,

d) error

18. What will be the output of the following Python code?

string = "my name is x"

for i in string.split():

print (i, end=", ")

a) m, y, , n, a, m, e, , i, s, , x,

b) m, y, , n, a, m, e, , i, s, , x

c) my, name, is, x,

d) error

19. What will be the output of the following Python code?

print('xyxxyyzxxy'.lstrip('xyy'))

a) zxxy

b) xyxxyyzxxy

c) xyxzxxy

d) none of the mentioned

20. What will be the output of the following Python code?

print('cba'.maketrans('abc', '123'))

a) {97: 49, 98: 50, 99: 51}

b) {65: 49, 66: 50, 67: 51}

c) 321

d) 123

21. What will be the output of the following Python code snippet?

print('abcefd'.replace('cd', '12'))

a) ab1ef2

b) abcefd

c) ab1efd

d) ab12ed2

22. What will be the output of the following Python code snippet?

print('xyyxyyxyxyxxy'.replace('xy', '12', 0))

a) xyyxyyxyxyxxy

b) 12y12y1212x12

c) 12yxyyxyxyxxy

d) xyyxyyxyxyx12

23. What will be the output of the following Python code snippet?

print('ab cd-ef'.title())

a) Ab cd-ef

b) Ab Cd-ef

c) Ab Cd-Ef

d) None of the mentioned

24. What will be the output of the following Python code snippet?

print('abcd'.translate('a'.maketrans('abc', 'bcd')))

a) bcde

b) abcd

c) error

d) bcdd

25. Is the following Python code valid?

>>> a,b=1,2,3

a) Yes, this is an example of tuple unpacking. a=1 and b=2

b) Yes, this is an example of tuple unpacking. a=(1,2) and b=3

c) No, too many values to unpack

d) Yes, this is an example of tuple unpacking. a=1 and b=(2,3)