

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

```
string = "my name is x"
```

```
for i in ' '.join(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

2)What will be the output of the following Python code snippet?

```
a = [0, 1, 2, 3]
```

```
i = -2
```

```
for i not in a:
```

```
    print(i)
```

```
    i += 1
```

a) -2 -1

b) 0

c) error

d) none of the mentioned

3)What will be the output of the following Python code snippet?

```
a = [0, 1, 2, 3]
```

```
for a[0] in a:
```

```
    print(a[0])
```

a) 0 1 2 3

b) 0 1 2 2

c) 3 3 3 3

d) error

4)What will be the output of the following Python code snippet?

```
a = [0, 1, 2, 3]
```

```
for a[-1] in a:
```

```
    print(a[-1])
```

a) 0 1 2 3

b) 0 1 2 2

c) 3 3 3 3

d) error

5)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

6)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

7)What will be the output of the following Python code?

```
x = (i for i in range(3))
```

```
for i in x:
```

```
    print(i)
```

```
for i in x:
```

```
    print(i)
```

a) 0 1 2

b) error

c) 0 1 2 0 1 2

d) none of the mentioned

8)What will be the output of the following Python code?

```
x = (i for i in range(3))
```

```
for i in x:
```

```
    print(i)
```

a) 0 1 2

b) error

c) 0 1 2 0 1 2

d) none of the mentioned

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

```
for i in range(5):
```

```
    if i == 5:
```

```
        break
```

```
    else:
```

```
        print(i)
```

```
else:
```

```
    print("Here")
```

a) 0 1 2 3 4 Here

b) 0 1 2 3 4 5 Here

c) 0 1 2 3 4

d) 1 2 3 4 5

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

```
for i in range(10):
```

```
    if i == 5:
```

```
        break
```

```
    else:
```

```
        print(i)
```

```
else:
```

```
    print("Here")
```

a) 0 1 2 3 4 Here

b) 0 1 2 3 4 5 Here

c) 0 1 2 3 4

d) 1 2 3 4 5

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

```
x = ['ab', 'cd']
```

```
for i in x:
```

```
    i.upper()
```

```
print(x)
```

a) ['ab', 'cd']

b) ['AB', 'CD']

c) [None, None]

d) none of the mentioned

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

```
x = ['ab', 'cd']
```

```
for i in x:
```

```
    x.append(i.upper())
```

```
print(x)
```

a) ['AB', 'CD']

b) ['ab', 'cd', 'AB', 'CD']

c) ['ab', 'cd']

d) loop will not terminate as new elements are being added to the list in each iteration

13)What will be the output of the following Python code?

```
i = 1
```

```
while True:
```

```
    if i%3 == 0:
```

```
        break
```

```
    print(i)
```

```
    i += 1
```

a) 1 2

b) 1 2 3

c) error

d) none of the mentioned

14)What will be the output of the following Python code?

```
i = 1
```

```
while True:
```

```
    if i%007 == 0:
```

```
        break
```

```
    print(i)
```

```
    i += 1
```

a) 1 2 3 4 5 6

b) 1 2 3 4 5 6 7

c) error

d) none of the mentioned

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

```
i = 5
```

```
while True:
```

```
    if i%0011 == 0:
```

```
        break
```

```
    print(i)
```

```
    i += 1
```

a) 5 6 7 8 9 10

b) 5 6 7 8

c) 5 6

d) error

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

```
i = 5
```

```
while True:
```

```
    if i%009 == 0:
```

```
        break
```

```
    print(i)
```

```
    i += 1
```

a) 5 6 7 8

b) 5 6 7 8 9

c) 5 6 7 8 9 10 11 12 13 14 15

d) error

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

```
i = 1
```

```
while True:
```

```
    if i%2 == 0:
```

```
        break
```

```
    print(i)
```

```
    i += 2
```

a) 1

b) 1 2

c) 1 2 3 4 5 6 ...

d) 1 3 5 7 9 11 ...

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

```
i = 2
```

```
while True:
```

```
    if i%3 == 0:
```

```
        break
```

```
    print(i)
```

```
    i += 2
```

a) 2 4 6 8 10 ...

b) 2 4

c) 2 3

d) error

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

```
i = 1
```

```
while False:
```

```
    if i%2 == 0:
```

```
        break
```

```
    print(i)
```

```
    i += 2
```

a) 1

b) 1 3 5 7 ...

c) 1 2 3 4 ...

d) none of the mentioned

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

```
True = False
```

```
while True:
```

```
    print(True)
```

```
    break
```

a) True

b) False

c) None

d) none of the mentioned

21)What is the output of the following?

```
i = 2
```

```
while True:
```

```
    if i%3 == 0:
```

```
        break
```

```
    print(i)
```

```
    i += 2
```


A. 2 4 6 8 10 ...

B. 2 4

C. 2 3

D. error

22)What is the output of the following?

```
x = "abcdef"
```

```
i = "a"
```

```
while i in x:
```

```
    x = x[:-1]
```

```
    print(i, end = " ")
```

A. i i i i i

B. a a a a a a

C. a a a a a

D. none of the mentioned

23)What is the output of the following?

```
x = "abcdef"
```

```
i = "i"
```

```
while i in x:
```

```
    print(i, end=" ")
```

A. no output

B. i i i i i i ...

C. a b c d e f

D. abcdef

24)What is the output of the following?

```
x = 'abcd'
```

```
for i in x:
```

```
    print(i.upper())
```

A. a b c d

B. A B C D

C. a B C D

D. error

25)What is the output of the following?

```
x = 'abcd'
```

```
for i in range(len(x)):
```

```
    x[i].upper()
```

```
print (x)
```

A. abcd

B. ABCD

C. error

D. none of the mentioned

26)10. What is the output of the following?

```
a = [0, 1, 2, 3]
```

```
for a[0] in a:
```

```
    print(a[0])
```

A. 0 1 2 3

B. 0 1 2 2

C. 3 3 3 3

D. error

27)What is the output of the following?

for i in range(float('inf')):

print (i)

A. 0.0 0.1 0.2 0.3 ...

B. 0 1 2 3 ...

C. 0.0 1.0 2.0 3.0 ...

D. none of the mentioned

28)What is the output of the following?

d = {0: 'a', 1: 'b', 2: 'c'}

for x in d.keys():

print(d[x])

A. 0 1 2

B. a b c

C. 0 a 1 b 2 c

D. none of the mentioned

29)What is the output of the following?

d = {0: 'a', 1: 'b', 2: 'c'}

for x in d.values():

print(x)

A. 0 1 2

B. a b c

C. 0 a 1 b 2 c

D. none of the mentioned

30)What is the output of the following code snippet:

```
d = {'foo': 1, 'bar': 2, 'baz': 3}
```

```
while d:
```

```
    print(d.popitem())
```

```
print('Done.')
```

A.Done.

B.('baz', 3)

('bar', 2)

('foo', 1)

Done.

C.foo

bar

baz

D.The snippet doesn't generate any output.

31)What is the output of the following code snippet:

```
a = ['foo', 'bar', 'baz', 'qux', 'corge']
```

```
while a:
```

```
    if len(a) < 3:
```

```
        break
```

```
    print(a.pop())
```

```
print('Done.')
```

A.The snippet doesn't generate any output.

B.

corge

qux

baz

Done.

C.

corge

qux

baz

bar

foo

Done.

D.

corge

qux

baz

32) Will the print() statement on line 5 be executed in this case:

```
a = ['foo', 'bar', 'baz', 'qux', 'corge']
```

```
while a:
```

```
    print(a.pop())
```

```
else:
```

```
    print('Done.')
```

A. Yes

B. No

33)After execution of the following code, what is the value of s?

```
s = ""
n = 5
while n > 0:
    n -= 1
    if (n % 2) == 0:
        continue
    a = ['foo', 'bar', 'baz']
    while a:
        s += str(n) + a.pop(0)
        if len(a) < 2:
            break
```

Answer:_____

34)Assume a non-empty list a. Write a one-line while loop that uses the list.pop() method to remove all the values from a.

35)What is the output of the following code snippet

if 'bar' in {'foo': 1, 'bar': 2, 'baz': 3}:

print(1)

print(2)

if 'a' in 'qux':

print(3)

print(4)

A.1 2 3 4

B.4

C.It doesn't generate any output.

D.1 2 4

36)The following if/elif/else statement will raise a KeyError exception:

```
d = {'a': 0, 'b': 1, 'c': 0}
```

```
if d['a'] > 0:
```

```
    print('ok')
```

```
elif d['b'] > 0:
```

```
    print('ok')
```

```
elif d['c'] > 0:
```

```
    print('ok')
```

```
elif d['d'] > 0:
```

```
    print('ok')
```

```
else:
```

```
    print('not ok')
```

A.False

B.True

37)What is value of this expression:

```
print('a' + 'x') if '123'.isdigit() else 'y' + 'b'
```

A.ab

B.ax

C.axb

D.axyb

38)What is the output when count = 5 ?

```
count = 0
```

```
while count < 5 :
```

```
    num = int(input("Enter number between 0-100?"))
```

```
    if (num < 0) or (num > 100):
```

```
        print("ABC")
```

```
        break
```

```
    count += 1
```

```
else:
```

```
    print("Infosys")
```

A.Error

B.ABC

C.Infosys

D.No output

39)Find the output of the following Python Program

```
for x in range(1,20,3):
```

```
    print(x)
```

a) 1,4,7,10,13,16,19

b) 1,20,3

c) 13,6,9,12,15,18

d) None of above

40)What will be the output of the following Python code?

```
i = 0
while i < 5:
    print(i)
    i += 1
    if i == 3:
        break
else:
    print(0)
```

a) 0 1 2 0

b) 0 1 2

c) error

d) none of the mentioned

41)What is the output of the following code snippet?

```
def func(message, num = 1):
    print(message * num)
```

```
func('Welcome')
```

```
func('Viewers', 3)
```

A. Welcome

Viewers

B. Welcome

ViewersViewersViewers

C. Welcome

Viewers,Viewers,Viewers

D. Welcome

42)What is the output of the following code snippet?

```
def myfunc(text, num):
```

```
    while num > 0:
```

```
        print(text)
```

```
    num = num - 1
```

```
myfunc('Hello', 4)
```

A. HelloHelloHelloHelloHello

B. HelloHelloHelloHello

C. invalid call

D. infinite loop

43)What is the output of the following code snippet?

```
def func(x = 1, y = 2):
```

```
    x = x + y
```

```
    y += 1
```

```
    print(x, y)
```

```
func(y = 2, x = 1)
```

A. 1 3

B. 2 3

C. The program has a runtime error because x and y are not defined.

D. 3 2

E. 3 3

44)What is the output of the following code snippet?

```
num = 1
def func():
    global num
    num = num + 3
    print(num)
```

```
func()
print(num)
```

A. 1 4

B. 4 1

C. The program has a runtime error because the local variable 'num' referenced before assignment.

D. 1 1

E. 4 4

45)What is the output of the following code snippet?

```
def test(x = 1, y = 2):
    x = x + y
    y += 1
    print(x, y)
```

```
test(y = 2, x = 1)
```

A. 21 30

B. 30 21

C. The program has a runtime error because x and y are not defined.

D. 21 21

E. 30 30

46)What is the output of the following code snippet?

A. `def f(a = 1, b):`

B. `def f(a = 1, b, c = 2):`

C. `def f(a = 1, b = 1, c = 2):`

D. `def f(a = 1, b = 1, c = 2, d):`

47)What is the output of the following code snippet?

```
exp = lambda x: x ** 3
```

```
print(exp(2))
```

A. 6

B. 222

C. 8

D. None of the above

48)What is the output of the following code snippet?

```
myList = [lambda x: x ** 2,
```

```
          lambda x: x ** 3,
```

```
          lambda x: x ** 4]
```

```
for f in myList:
```

```
    print(f(3))
```

A.

27

81

343

B.

6

9

12

C.

9

27

81

D.

8

27

64

49)What is the output of the following code snippet?

```
def test_var_args(farg, *args):
```

```
    print ("formal arg:", farg)
```

```
    for arg in args:
```

```
        print ("another arg:", arg)
```

```
test_var_args(1, "two", 3)
```

A.

formal arg: 1

another arg: two

another arg: 3

B.

formal arg: 1

another arg: two

C.An exception is thrown

D.None of the above

50)What is the output of the following code snippet?

```
def test_var_kwargs(farg, **kwargs):  
    print ("formal arg:", farg)  
    for key in kwargs:  
        print ("another keyword arg: %s: %s" % (key, kwargs[key]))  
test_var_kwargs(farg=1, myarg2="two", myarg3=3)
```

A.

formal arg: 1

another keyword arg: myarg2: two

another keyword arg: myarg3: 3

B.formal arg: 1

another keyword arg: myarg2: two

C.An exception is thrown

D.None of the above

51)What is the output of the following code snippet?

```
myList = [1, 2, 3, 4, 5]
```

```
def func(x):  
    x.pop()  
    x.pop()  
    x.insert(-1, 0)  
    print ("Inside func():", x)
```

```
func(myList)
```

```
print ("After function call:", myList)
```

A. Inside func(): [1, 2, 3, 0]

After function call: [1, 2, 3, 4, 5]

B. Inside func(): [0, 1, 2, 3]

After function call: [0, 1, 2, 3]

C. Inside func(): [1, 2, 3, 0]

After function call: [1, 2, 3, 0]

D. Inside func(): [1, 2, 0, 3]

After function call: [1, 2, 0, 3]

52) What is the output of the following code snippet?

```
nums = range(2, 50)
```

```
for i in range(2, 8):
```

```
    nums = list(filter(lambda x: x == i or x % i, nums))
```

```
print (nums)
```

A. [2, 3, 4, 5, 6, 7, 8]

B. [2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47]

C. [2, 3, 5, 6, 7, 10, 15, 19, 20, 27, 35, 41, 49]

D. [2, 3, 5, 9, 13, 17, 26, 31, 35, 37, 41, 43, 47, 49]

53) What is the output of the following code snippet?

```
text = 'Welcome to the world of Python'
```

```
words = text.split()
```

```
length = list(map(lambda word: len(word), words))
```

```
print (length)
```

A. [7, 2, 3, 5, 2, 6]

B. [30]

C. [7, 3, 4, 5, 6, 3]

D. [30, 23, 20, 15, 13, 7]

54)What is the output of the following code snippet?

```
from functools import reduce  
f = lambda a,b: a if (a > b) else b  
num = reduce(f, [47,11,42,102,13])  
print (num)
```

A. 47

B. 42

C. 102

D. 11

55)What is the output of the following code snippet?

```
min = (lambda x, y: x if x < y else y)  
print(min(101*99, 102*98))
```

A. 9997

B. 9999

C. 9996

D. 9998

56)What is the output of the following code snippet?

```
def func(x, y=2):  
    num = 1  
    for i in range(y):  
        num = num * x  
    return num  
print (func(4))  
print (func(4, 4))
```


A.

8

16

B.

16

256

C.

32

1024

D.

128

1256

57)What is the output of the following code snippet?

```
def add(*args):
```

```
    """Function returns the addition  
    of all values"""
```

```
    r = 0
```

```
    for i in args:
```

```
        r += i
```

```
    return r
```

```
print (add.__doc__)
```

```
print (add(1, 2, 3))
```

```
print (add(1, 2, 3, 4, 5))
```

A. Function returns the addition of all values

6

15

B.

6

15

C.

123

12345

D.

6

120

58)What is the output of the following code snippet?

```
def addFunc(item):
```

```
    item += [1]
```

```
mylist = [1, 2, 3, 4]
```

```
addFunc(mylist)
```

```
print (len(mylist))
```

A. 2

B. 4

C. 5

D. An exception is thrown

59)What is the output of the following code snippet?

```
def heading(str):  
    print ("+++%s+++" % str)  
  
heading.id = 1  
  
heading.text = "Python functions"  
  
heading("%d %s" % (heading.id, heading.text))
```

- A. +++%s+++
- B. Python functions
- C. +++Python functions+++
- D. +++1 Python functions+++

60)What is the output of the following code snippet?

- A. some_func(fargs, *args, **kwargs)
- B. some_func(**kwargs, *args, fargs)
- C. some_func(*args, **kwargs, fargs)
- D. some_func(*args, fargs, **kwargs)

61)What is the output of the following code snippet?

```
def test_var_args(param1, *args):  
    print (type(args))  
  
test_var_args('delhi', 'noida', 'gurgaon', 'ghaziabad')
```

- A.str
- B.int
- C.tuple
- D.list
- E.dict

62)What is the output of the following code snippet?

```
def test_var_args(param1, **kwargs):  
    print (type(kwargs))
```

```
test_var_args('capitals', India='New Delhi',  
Australia='Canberra', China='Beijing')
```

A.str

B.int

C.tuple

D.list

E.dict

63)What is the output of the following code snippet?

```
def func():
```

```
    text = 'Hello'
```

```
    name = (lambda x:text + ' ' + x)
```

```
    return name
```

```
msg = func()
```

```
print(msg('Infoscion'))
```

A.Hello Infoscion

B.Infoscion Hello

C.Infoscion

D.Hello

64)What gets printed?

```
d = lambda p: p * 2
```

```
t = lambda p: p * 3
```

```
x = 2
```

```
x = d(x)
```

```
x = t(x)
```

```
x = d(x)
```

```
print(x)
```

A.7

B.12

C.24

D.36

E.48

65)What sequence of numbers is printed?

```
values = [1, 2, 1, 3]
```

```
nums = set(values)
```

```
def checkit(num):
```

```
    if num in nums:
```

```
        return True
```

```
    else:
```

```
        return False
```

```
for i in filter(checkit, values):
```

```
    print(i)
```

A.1 2 3

B.1 2 1 3

C.1 2 1 3 1 2 1 3

D.1 1 1 1 2 2 3 3

E.Syntax Error

66)What sequence of numbers is printed?

```
values = [2, 3, 2, 4]
```

```
def my_transformation(num):  
    return num ** 2
```

```
for i in map(my_transformation, values):  
    print(i)
```

A.2 3 2 4

B.4 6 4 8

C.1 1.5 1 2

D.1 1 1 2

E.4 9 4 16