techie
SHITA

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Fifty questions on Python basics - by Ishita Pandey, KV Jhagrakhand

Which one of these is floor division?

○ //

○ /

○ None of the mentioned

○ %

What is the output of the following?

```
for num in range(6):
    num = num + 1
    if num == 3:
        continue
    print(num)
```

○ 1 2 4 5 6

○ 1 2 3 4 5 6

○ 1 2

○ 1 2 3

What is the return type of function id?

○ bool

○ int

○ float

○ dict

What is the output of the following?

```
i = 1
while True:
    if i%3 == 0:
        break
    print(i)
    i += 1
```

O 1 2

O 1 2 3

O error

O none of the mentioned

What is the output of the following?

```
i = 1
while True:
    if i%2 == 0:
        break
    print(i)
    i += 2
```

O 1

O 1 2 3 4 5 6 ....

O 1 2

O 1 3 5 7 9 11 ....

Which of the following is not a complex number?

O k = 2 + 3j

O k = 2 + 3l

O k = complex(2, 3)

○ k = 2 + 3J

Which of the following is an invalid variable?

○ my_string_1

○ 1st_string

○ foo

○ _

Which is the correct operator for power(x^y)?

○ X^y

○ X^^y

○ None of the mentioned

○ X**y

Given a function that does not return any value, What value is thrown by default when executed in shell.

○ None

○ int

○ void

○ bool

Which of these in not a core data type?

○ Tuples

○ Dictionary

○ Lists

○ Class

The expression int(x) implies that the variable x is converted to integer. State whether

true or false.

○ True   ○ False

What is the order of precedence in python? i) Parentheses ii) Exponential iii) Multiplication iv) Division v) Addition vi) Subtraction

○ ii,i,iii,iv,v,vi

○ ii,i,iv,iii,v,vi

○ i,ii,iii,iv,vi,v

○ i,ii,iii,iv,v,vi

What is the maximum possible length of an identifier?

○ 63 characters

○ 128 characters

○ 93 characters

○ none of the mentioned

Which of the following is true for variable names in Python?

○ unlimited length

○ all private members must have leading and trailing underscores

○ none of the mentioned

○ underscore and ampersand are the only two special characters allowed

What is the output of the following?

for num in range(6):
    num = num + 1
    if num == 3:
        pass
    print(num)

○ 1 2

○ 1 2 3

○ 1 2 4 5 6

○ 1 2 3 4 5 6

What is answer of this expression, 22 % 3 is?

○ 5

○ 1

○ 7

○ 0

Which one of the following have the same precedence?

○ Multiplication and Division

○ Both Addition and Subtraction AND Multiplication and Division

○ None of the mentioned

○ Addition and Subtraction

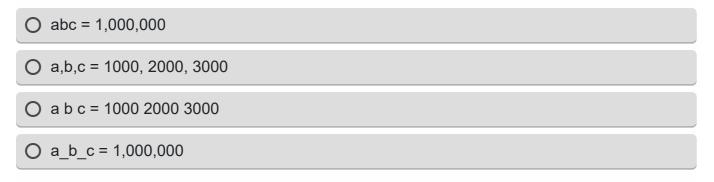What data type is the object below?

L = [1, 23, 'hello', 1]

○ array

○ tuple

○ dictionary

○ list

What is the output of print 0.1 + 0.2 == 0.3?

○ True   ○ False
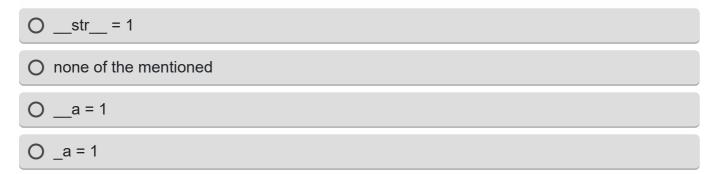
Which of the following is an invalid statement?

- ○ abc = 1,000,000
- ○ a,b,c = 1000, 2000, 3000
- ○ a b c = 1000 2000 3000
- ○ a_b_c = 1,000,000

What is the output of the following?

```
for num in range(6):
    if num == 6:
        break
else:
    print(num)
```

- ○ 5
- ○ 6
- ○ None of the above
- ○ error

Which of the following is invalid?

- ○ __str__ = 1
- ○ none of the mentioned
- ○ __a = 1
- ○ _a = 1

What is the output of the following?

True = False

while True:

    print(True)

    break

- ○ None

○ Error

○ True

○ False

Which of the following is incorrect?

○ x = 0o396

○ x = 19023

○ x = 0x4f5

○ x = 0b101

Is Python case sensitive when dealing with identifiers?

○ True   ○ False

Which of the following results in a SyntaxError?

○ '3\'

○ '"Once upon a time...", she said.'

○ '"That's okay"'

○ "He said, 'Yes!'"

What is the output of the following?

i = 1

while True:

　if i%7 == 0:

　　break

　print(i)

　i += 1

○ error

O 1 2 3 4 5 6

O 1 2 3 4 5 6 7

O none of the mentioned

What is the output of the following?

i = 1

while False:

   if i%2 == 0:

      break

   print(i)

   i += 2

O 1 2 3 4 .....

O 1

O none of the mentioned

O 1 3 5 7 .....

Operators with the same precedence are evaluated in which manner?

O Can't say

O Right to Left

O None of the mentioned

O Left to Right

Which of the following is not a keyword?

O pass

O nonlocal

O assert

O eval

What is the type of inf?

○ Float

○ Boolean

○ Complex

○ Integer

All keywords in Python are in

○ None of the mentioned

○ UPPER CASE

○ Capitalized

○ lower case

Which one of the following have the highest precedence in the expression?

○ Addition

○ Exponential

○ Parentheses

○ Multiplication

What is the output of this expression, 3*1**3?

○ 27

○ 9

○ 3

○ 1

Mathematical operations can be performed on a string. State whether true or false.

○ True   ○ False

Select all options that print

hello-how-are-you

○ print('hello', 'how', 'are', 'you' + '-' * 4)

○ print('hello', 'how', 'are', 'you')

○ print('hello' + '-' + 'how' + '-' + 'are' + 'you')

○ print('hello-' + 'how-are-you')

What does ~4 evaluate to?

○ +3

○ -5

○ -3

○ -4

What does ~~~~~5 evaluate to?

○ +5

○ -6

○ -5

○ +6

What error occurs when you execute?

apple = mango

○ SyntaxError

○ TypeError

○ NameError

○ ValueError

Following set of commands are executed in shell, what will be the output?

>>>str="hello"

>>>str[:2]

○ he

○ lo

○ olleh

○ hello

Which of the following is a sequence data type?

○ int

○ float

○ bool

○ string

What is the output of the following?

x = ['ab', 'cd']

for i in x:

      i.upper()

print(x)

○ ['ab', 'cd']

○ [None, None]

○ ['AB', 'CD']

○ none of the mentioned

In order to store values in terms of key and value we use what core data type.

○ class

○ dictionary

○ tuple

○ list

What is the output of the following?

i = 5

while True:

    if i%9 == 0:

        break

    print(i)

    i += 1

○ error

○ 5 6 7 8 9 10

○ 5 6 7 8

○ 5 6

In python we do not specify types,it is directly interpreted by the compiler, so consider the following operation to be performed.

>>>x = 13 ? 2

objective is to make sure x has a integer value, select all that apply

○ All of the mentioned

○ x = int(13 / 2)

○ x = 13 % 2

○ x = 13 // 2

What is the output of the following?

i = 2

while True:

    if i%3 == 0:

```
        break
    print(i)
    i += 2
```

- ○ 2 4
- ○ 2 3
- ○ 2 4 6 8 10 …
- ○ error

What is the average value of the code that is executed below?

>>>grade1 = 80

>>>grade2 = 90

>>>average = (grade1 + grade2) / 2

- ○ 85
- ○ 95
- ○ 85.0
- ○ 85.1

Which of the following is a tuple?

- ○ (1)
- ○ None of the mentioned
- ○ [1,2]
- ○ 1,

Which of the following cannot be a variable?
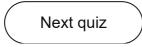
- ○ __init__
- ○ it
- ○ in

○ on

Which of the following will run without errors?

○ round(6352.898,2,5)

○ round()

○ round(7463.123,2,1)

○ round(45.8)

Next quiz

Fifty questions on Python basics part 2- by Ishita Pandey, KV Jhagrakhand

What is the output of the following?

```
x = "abcdef"
i = "i"
while i in x:
    print(i, end=" ")
```

○ abcdef

○ a b c d e f

○ no output

○ i i i i i i ...

What is the output when following code is executed ?

>>>names = ['Arpit', 'Priyanshi', 'Akshita', 'Om']

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

○ A

○ Om

○ m

○ Priyanshi

The output of >>>list("a#b".split('#')) is

○ ('a','#','b')

○ ['a','b']

○ ['a','#','b']

○ ('a','b')

What is the output of the following?

```
x = 123
for i in x:
    print(i)
```

○ error

○ 1 2 3

○ None of the mentioned

○ 123

Suppose list1 is [4, 2, 2, 4, 5, 2, 1, 0], which of the following is correct syntax for slicing operation?

○ print(list1[:2])

○ all of the mentioned

○ print(list1[0])

○ print(list1[:-2])

What is the output when we execute

L=[4,8,2,9,1]

L.sort()

print(L)

○ [1, 2, 4, 8, 9]

○ [9, 8, 4, 2, 1]

○ [4, 8, 2, 9 ,1]

○ [1, 9, 2, 8, 4]

What is the output of the following?

print("kvsjkdkvjkdkvsjkd".count('sj',1))

○ 2

○ None of the mentioned

○ 1

○ 0

What is the output of the following?

print("kvsjkdkvjkdkvsjkd".count('sj',3))

○ 2

○ none of the mentioned

○ 0

○ 1

What is the output of the following?

```
x = 'abcd'
for i in range(len(x)):
    print(x)
x = 'a'
```

○ a a a a

○ None of the mentioned

○ abcd abcd abcd abcd

○ a

What is the output when following code is executed?

>>>str1="helloworld"

>>>str1[::-1]

○ world

○ hello

○ helloworld

○ dlrowolleh

Suppose list1 is [2, 33, 222, 14, 25], What is list1[:-1]?

○ Error

○ [2, 33, 222, 14]

○ 25

○ [25, 14, 222, 33, 2]

What is the output when following statement is executed ?

>>>"abcd"[2:]

○ a

○ dc

○ ab

○ cd

What is the output when following code is executed?

>>>list1 = [11, 2, 23]

>>>list2 = [11, 2, 2]

>>>list1 < list2 is

○ False

○ True

○ None

○ Error

print(0xA + 0xB + 0xC)

○ 0xA0xB0xC

○ 33

○ 0x22

○ Error

What is the output of the following?

```
i = 1
while i < 6:
    print(i)
    i += 1
    if i == 4:
        break
else:
    print(0)
```

O 1 2 3

O 1 2 3 4

O 1 2 3 0

O 1 2 3 4 0

What is the output of the following?

```
x = 'abcd'
for i in x:
    print(i.upper())
```

O a B C D

O A B C D

O a b c d

O error

What is the output when following statement is executed?

>>>print('new' 'line')

O newline

O new line

O Error

O Output equivalent to print 'new\nline'

Suppose list1 is [3, 4, 5, 20, 5], what is list1 after list1.reverse()?

O [20,5,5,4,3]

○ [5,20,5,4,3]

○ [3,4,5,20,5]

○ [3,4,5,5,20]

What arithmetic operators cannot be used with strings?

○ *

○ +

○ All of the mentioned

○ -

Suppose list1 is [3, 4, 5, 20, 15], what is list1 after list1.append([12,11])?

○ [3, 4, 5, 20, 15, [12, 11]]

○ [3, 4, 5, 20, 15]

○ None of the mentioned

○ [3, 4, 5, 20, 15, 12, 11]

Suppose list1 is [3, 4, 5, 20, 5], what is list1.index(5)?

○ 2

○ 4

○ 1

○ 0

What is the output when we execute list("hello")?

○ ['llo']

○ ['hello']

○ ['h', 'e', 'l', 'l', 'o']

○ ['olleh']

What is the output when following code is executed ?

>>> str1 = 'hello'

>>> str1[-1:]

○ h

○ olleh

○ hello

○ o

What is the output of the following?

print("kvsjkdkvjkdkvsjkd".count('sj'))

○ 2

○ error

○ 0

○ 1

What is the output of the following?

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

○ 0 1 2 0

○ 0 1 2 3

○ 0 1 2 3 0

○ 0 1 2

Suppose list1 is [1, 3, 2], What is list1*2?

O [2, 6, 4]

O [1, 3, 2, 1, 3]

O [1, 3, 2, 3, 2, 1]

O [1, 3, 2, 1, 3, 2]

What is the output when following statement is executed?

>>>"a"+"bc"

O bc

O abc

O a

O bcd

Suppose list1 is [3, 4, 5, 20, 15], what is list1 after list1.pop(1)?

O [3, 5, 20, 15]

O [4, 5, 20, 15]

O 3

O 4

Suppose list1 is [1, 5, 9], what is sum(list1)?

O 1

O 9

O Error

O 15

What is the output when following code is executed?

>>>print(r"\nhello")

O the letter r and then hello

- ○ a new line and hello

- ○ error

- ○ \nhello

What is the output of the following?

print("kvjkdkvsjkd".count('jkd',0,10))

- ○ 0

- ○ 1

- ○ 2

- ○ error

Suppose list1 is [3, 4, 5, 20, 15], what is list1 after list1.extend([12,11])?

- ○ [3, 4, 5, 20, 15, [12, 11]]

- ○ None of the mentioned

- ○ [3, 4, 5, 20, 15, 12, 11]

- ○ [3, 4, 5, 20, 15]

What is the output when following statement is executed?

>>> print('x\97\x98')

- ○ Error

- ○ \x97\x98

- ○ x\97

- ○ 97

To remove string "hello" from list1, we use which command?

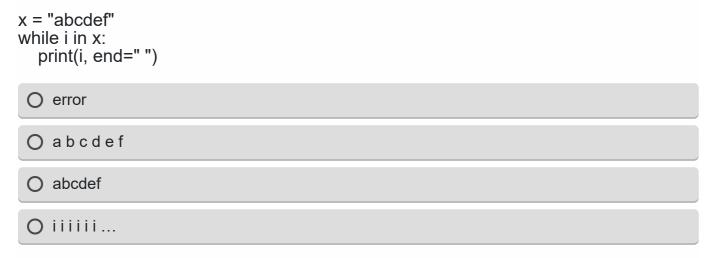- ○ list1.removeOne("hello")

- ○ list1.remove("hello")

○ list1.remove(hello)

○ list1.removeAll("hello")

To add a new element to a list we use which command?

○ list1.add(5)

○ list1.addLast(5)

○ list1.append(5)

○ list1.addEnd(5)

What is the output of the following?

x = "abcdef"
while i in x:
    print(i, end=" ")

○ error

○ a b c d e f

○ abcdef

○ i i i i i i ...

Suppose str1 is "KV Jhagrakhand SECL", What is str1.split()?

○ "KV","Jhagrakhand","SECL"

○ ("KV","Jhagrakhand","SECL")

○ {"KV","Jhagrakhand","SECL"}

○ ["KV","Jhagrakhand","SECL"]

What is the output of the following?

d = {0: 'a', 1: 'b', 2: 'c'}
for i in d:
    print(i)

○ None of the mentioned

○ a b c

○ 0 a 1 b 2 c

○ 0 1 2

What is the output of the following?

print("kvjkdkvsjkd".count('jkd',-20,-1))

○ 1

○ error

○ 0

○ 2

To insert 5 to the third position in list1, we use which command?

○ list1.insert(3, 5)

○ list1.insert(5, 2)

○ list1.insert(2, 5)

○ list1.insert(5, 3)

Suppose list Example is ['h','e','l','l','o'], what is len(Example)?

○ 4

○ None

○ 5

○ Error

Suppose list1 is [2, 33, 222, 14, 25], What is list1[-1]?

○ Error

○ 2

○ 25

○ None

Suppose list1 is [2445, 133, 12454, 123], what is max(list1)?

○ 123

○ 133

○ 12454

○ 2445

What is the output of the following?

x = 'abcd'
for i in range(len(x)):
    x = 'a'
print(x)

○ none of the mentioned

○ a a a a

○ abcd abcd abcd

○ a

What is the output of the following?

print("kvsjkdkvjkdkvsjkd".count('sj',0,100))

○ error

○ 2

○ 1

○ 0

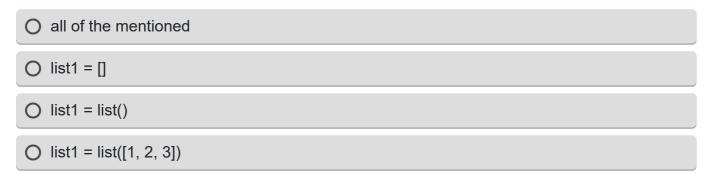What is the output when following code is executed?

names1 = ['Rachit', 'Rizvia', 'Ujjwal', 'Anandita']
names2 = names1
names3 = names1[:]
names2[0] = 'Jiya'
names3[1] = 'Yanjali'
sum = 0

```
for i in (names1, names2, names3):
    if i[0] == 'Jiya':
        sum += 1
    if i[1] == 'Yanjali':
        sum += 10
print(sum)
```
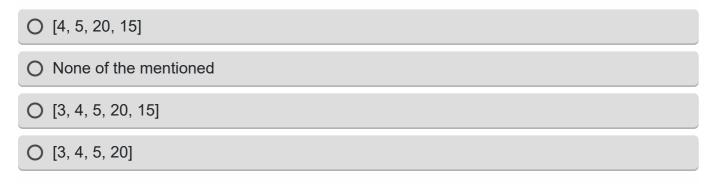
○ 22

○ 12

○ 11

○ 21

Suppose list1 is [3, 5, 25, 1, 3], what is min(list1)?

○ 1

○ 5

○ 25

○ 3

Which of the following commands will create a list?

○ all of the mentioned

○ list1 = []

○ list1 = list()

○ list1 = list([1, 2, 3])

Suppose list1 is [3, 4, 5, 20, 15], what is list1 after list1.pop()?

○ [4, 5, 20, 15]

○ None of the mentioned

○ [3, 4, 5, 20, 15]

○ [3, 4, 5, 20]

What is the output of the following?

```
x = 'abcd'
for i in range(len(x)):
    i.upper()
print (x)
```

○ error

○ none of the mentioned

○ a b c d

○ 0 1 2 3