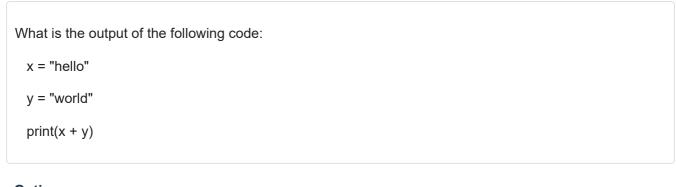CoreNuts technologies
Imagination in Reality

Score: 35,   Total Marks: 40,   Number of Questions: 40,   Qualifying Marks: 28

What is Python?

Options

- ● A high-level programming language
- ○ A database management system
- ○ An operating system
- ○ A web browser

Which of the following is NOT a data type in Python?

Options

- ○ Integer
- ○ String
- ○ Float
- ● Double

Which of the following is the correct syntax for declaring a list in Python?

Options

- ● list_name = [element1, element2, element3]

○ list_name = {element1, element2, element3}

○ list_name = (element1, element2, element3)

○ list_name = "element1, element2, element3"

What is the output of the following code snippet?

x = 5

y = "Python"

print(str(x) + y)

Options

◉ 5Python

○ Python5

○ TypeError

○ SyntaxError

Which keyword is used to define a function in Python?

Options

◉ def

○ func

○ function

○ define

What is the output of the following code snippet?

x = [1, 2, 3]

y = x

```
y.append(4)

print(x)
```

Options

- ⚪ [1, 2, 3]

- 🟢 [1, 2, 3, 4]

- ⚪ [4, 3, 2, 1]

- ⚪ None of the above

Which of the following is NOT a control flow statement in Python?

Options

- 🔴 if-else

- ⚪ while

- ⚪ switch

- ⚪ for

What is the syntax for printing "Hello, World!" in Python?

Options

- ⚪ input("Hello, World!")

- 🟢 print('Hello, World!')

- ⚪ Print("Hello, World!")

- ⚪ PRINT("Hello, World!")

Which of the following is not a valid Python variable name?

Options

○ my_var

◉ 123_var

○ _myVar

○ MyVar

Which of the following is a method to read user input in Python?

Options

◉ input()

○ read()

○ get_input()

○ user_input()

What is the correct way to define a function in Python?

Options

○ function my_function():

○ my_function():

◉ def my_function():

○ def function my_function():

What is the output of the following code:

```
x = "hello"

y = "world"

print(x + y)
```

Options

- ⦿ helloworld
- ○ hello world
- ○ hello+world
- ○ Error

What is the output of the following Python code?

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

y = x

y[0] = 4

print(x)
```

Options

- ○ [1, 2, 3]
- ⦿ [4, 2, 3]
- ○ [1, 4, 3]
- ○ [1, 2, 4]

What is the output of the following Python code?

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

y = x.copy()

y[0] = 4
```

```
print(x)
```

Options

- ◉ [1, 2, 3]
- ○ [4, 2, 3]
- ○ [1, 4, 3]
- ○ [1, 2, 4]

What is the output of the following Python code?

```
x = "hello"
y = x.replace("l", "r")
print(y)
```

Options

- ◉ herro
- ○ herro
- ○ hello
- ○ None of the above

What is the output of the following code snippet?

```
my_list = [1, 2, 3]
print(my_list[1:2])
```

Options

- ○ [1]

◉ [2]

○ [1, 2]

○ [1, 2]
  [2, 3]

What is the output of the following code snippet?

my_dict = {"key1": 1, "key2": 2, "key3": 3}

print(len(my_dict))

Options

○ 1

○ 2

◉ 3

○ 4

Which of the following is not a Python loop statement?

Options

○ for

○ while

◉ do-while

○ None of the above

What is the difference between a tuple and a list in Python?

Options

○ A tuple is mutable while a list is immutable

○ A tuple is immutable while a list is mutable

○ A tuple can contain elements of different data types while a list can only contain elements of the same data type

○ A tuple is enclosed in square brackets while a list is enclosed in parentheses

Which of the following is a valid way to comment a single line of code in Python?

Options

◉ # This is a comment

○ // This is a comment

○ /* This is a comment */

○ % This is a comment

Which of the following is a valid way to create an empty list in Python?

Options

◉ list = []

○ list = ()

○ list = {}

○ list = ""

What is the output of the following code?

a = 10
b = 20
c = 30

```
print(a, b, c, sep=':')
a, b, c = b, c, a
print(a, b, c, sep=':')
```

Options

- ⦿ 10:20:30

  20:30:10

- ○ 10:20:30

  20:10:30

- ○ 10:20:30

  30:10:20

- ○ Syntax Error

Who developed Python Programming Language?

Options

- ○ Wick van Rossum

- ○ Rasmus Lerdorf

- ⦿ Guido van Rossum

- ○ Niene Stom

Is Python case sensitive when dealing with identifiers?

Options

- ⦿ no

- ○ yes

○ machine dependent

○ none of the mentioned

Which of the following is used to define a block of code in Python language?

Options

◉ Indentation

○ Key

○ Brackets

○ All of the mentioned

What will be the output of the following Python code?

i = 1

while True:
    if i % 3 == 0:
        break
    print(i, end=" ")
    i = i + 1

Options

○ 1 2 3

○ error

◉ 1 2

○ none of the mentioned

What will be the output of the following Python function?

min(max(False,-3,-4), 2,7)

Options

○ -4

○ -3

○ 2

◉ False

What will be the output of the following Python code?

x = 'abcd'

for i in x:
    print(i.upper())

Options

○   a

      B

      C

      D

○ a b c d

○ error

◉   A

      B

      C

      D

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

for i in [1, 2, 3, 4][::-1]:
    print (i)

Options

○ 4 3 2 1 ●

○ error

○ 1 2 3 4

○ none of the mentioned

What will be the output of the following Python program?

z=set('abc')

z.add('san')

z.update(set(['p', 'q']))

print(z)

Options

○ {'a', 'c', 'c', 'p', 'q', 's', 'a', 'n'}

○ {'abc', 'p', 'q', 'san'}

○ {'a', 'b', 'c', 'p', 'q', 'san'}

● {'a', 'b', 'c', ['p', 'q'], 'san'}

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

Options

○ list1.addEnd(5)

○ list1.addLast(5)

● list1.append(5)

○ list1.add(5)

What will be the output of the following Python code?
x = 'abcd'
for i in range(len(x)):
  print(i)

Options

○ error

○ 1 2 3 4

○ a b c d

◉ 0 1 2 3

Which of the following is a Python tuple?

Options

○ {1, 2, 3}

○ {}

○ [1, 2, 3]

◉ (1, 2, 3)

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

my_string = "Hello, World!"
k = [print(i) for i in my_string if i not in "aeiou"]

Options

○ prints all the vowels in my_string

⦿ prints all the consonants in my_string

◯ prints all characters of my_string that aren't vowels

◯ prints only on executing print(k)

Suppose d = {"eswar":40, "rakesh":45}, to delete the entry for "eswar" what command do we use?

Options

◯ d.delete("eswar":40)

◯ d.delete("eswar")

⦿ del d["eswar"]

◯ del d("eswar":40)

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

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

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

print(d1 == d2)

Options

◯ True

⦿ False

◯ None

◯ Error

If a={5,6,7}, what happens when a.add(5) is executed?

Options

○ a={5,5,6,7}

◉ a={5,6,7}

○ Error as there is no add function for set data type

○ Error as 5 already exists in the set

If a={5,6,7,8}, which of the following statements is false?

Options

○ print(len(a))

○ print(min(a))

○ a.remove(5)

◉ a[2]=45

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

k = [print(i) for i in my_string if i not in "aeiou"]

Options

○ prints all the vowels in my_string

○ prints all the consonants in my_string

◉ prints all characters of my_string that aren't vowels

○ prints only on executing print(k)

What is the output of the following code snippet?

    for i in range(5):

```
    print(i)
```

Options

- 🟢 0, 1, 2, 3, 4
- ⭕ 1, 2, 3, 4, 5
- ⭕ 0, 1, 2, 3, 4, 5
- ⭕ None of the above