

Python Assessment

- Which of the following is not a Python data type?

Marked Answer :

Table

Correct Answer :

Table

Total Marks : 1MARKS OBTAINED 1

- What is the output of the following code?

x = 5

y = 3

print(x % y)

Marked Answer :

2

Correct Answer :

2

Total Marks : 1MARKS OBTAINED 1

- Which of the following is a conditional statement in Python?

Marked Answer :

if

Correct Answer :

if

Total Marks : 1MARKS OBTAINED 1

- What is the output of the following code?

fruits = ["apple", "banana", "cherry"]

print(fruits[1])

Marked Answer :

banana

Correct Answer :

banana

Total Marks : 1MARKS OBTAINED 1

- Which of the following is a valid way to define a function in Python?

Marked Answer :

```
def function_name(parameters):
```

Correct Answer :

```
def function_name(parameters):
```

Total Marks : 1MARKS OBTAINED 1

- What is the output of the following code?

```
x = 5
```

```
y = 3
```

```
if x > y:
```

```
    print("x is greater than y")
```

```
else:
```

```
    print("y is greater than x")
```

Marked Answer :

x is greater than y

Correct Answer :

x is greater than y

Total Marks : 1MARKS OBTAINED 1

- Which of the following is used to repeat a block of code as long as a certain condition is true?

Marked Answer :

while loop

Correct Answer :

while loop

Total Marks : 1MARKS OBTAINED 1

- What is the output of the following code?

```
x = 5
```

```
y = 3
```

```
print(x + y * 2)
```

Marked Answer :

11

Correct Answer :

11

Total Marks : 1MARKS OBTAINED 1

- Which of the following is used to remove an item from a list in Python?

Marked Answer :**remove()****Correct Answer :****remove()**

Total Marks : 1MARKS OBTAINED 1

- What is the output of the following code?

x = 5

y = "Hello"

print(str(x) + y)

Marked Answer :

5Hello

Correct Answer :**5Hello**

Total Marks : 1MARKS OBTAINED 1

- What is the maximum length of a Python identifier?

Marked Answer :

No Fixed Length is specified

Correct Answer :**No Fixed Length is specified**

Total Marks : 1MARKS OBTAINED 1

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

print(2**3 + (5 + 6)**(1 + 1))

Marked Answer :

129

Correct Answer :**129**

Total Marks : 1MARKS OBTAINED 1

- What will be the datatype of the var in the below code snippet?

```
var = 10  
print(type(var))
```

```
var = "Hello"
```

```
print(type(var))
```

Marked Answer :

int and str

Correct Answer :

int and str

Total Marks : 1MARKS OBTAINED 1

- How is a code block indicated in Python?

Marked Answer :

Indentation

Correct Answer :

Indentation

Total Marks : 1MARKS OBTAINED 1

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

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

```
a = tuple(a)
```

```
a[0] = 2
```

```
print(a)
```

Marked Answer :

Error

Correct Answer :

Error

Total Marks : 1MARKS OBTAINED 1

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

```
print(type(5 / 2))
```

```
print(type(5 // 2))
```

Marked Answer :

float and int

Correct Answer :

float and int

Total Marks : 1MARKS OBTAINED 1

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

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

```
sum = 0
```

```
for ele in a:
```

```
    sum += ele
```

```
print(sum)
```

Marked Answer :

15

Correct Answer :

15

Total Marks : 1MARKS OBTAINED 1

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

```
count = 0
```

```
while(True):
```

```
    if count % 3 == 0:
```

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

```
    if(count > 15):
```

```
        break;
```

```
    count += 1
```

Marked Answer :

0 3 6 9 12 15

Correct Answer :

0 3 6 9 12 15

Total Marks : 1MARKS OBTAINED 1

- Which of the following concepts is not a part of Python?

Marked Answer :

Pointers

Correct Answer :

Pointers

Total Marks : 1MARKS OBTAINED 1

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

```
def solve(a, b):
```

```
    return b if a == 0 else solve(b % a, a)
```

```
print(solve(20, 50))
```

Marked Answer :

10

Correct Answer :

10

Total Marks : 1MARKS OBTAINED 1

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

```
def solve(a):
```

```
    a = [1, 3, 5]
```

```
    a = [2, 4, 6]
```

```
    print(a)
```

```
    solve(a)
```

```
    print(a)
```

Marked Answer :

[2,4,6][1,3,5]

Correct Answer :

[2,4,6][2,4,6]

Total Marks : 1MARKS OBTAINED 0

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

```
def func():
```

```
    global value
```

```
    value = "Local"
```

```
    value = "Global"
```

```
    func()
```

```
    print(value)
```

Marked Answer :

local

Correct Answer :**local**

Total Marks : 1MARKS OBTAINED 1

- Which of the following statements are used in Exception Handling in Python?

Marked Answer :

All of the above

Correct Answer :**All of the above**

Total Marks : 1MARKS OBTAINED 1

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

a = 3

b = 1

print(a, b)

a, b = b, a

print(a, b)

Marked Answer :

3 1 1 3

Correct Answer :**3 1 1 3**

Total Marks : 1MARKS OBTAINED 1

- Which of the following types of loops are not supported in Python?

Marked Answer :

do - while

Correct Answer :**do - while**

Total Marks : 1MARKS OBTAINED 1

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

def thrive(n):

if n % 15 == 0:

print("thrive", end = " ")

elif n % 3 != 0 and n % 5 != 0:

```
print("neither", end = " ")
```

```
elif n % 3 == 0:
```

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

```
elif n % 5 == 0:
```

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

```
thrive(35)
```

```
thrive(56)
```

```
thrive(15)
```

```
thrive(39)
```

Marked Answer :

five neither thrive three

Correct Answer :

five neither thrive three

Total Marks : 1MARKS OBTAINED 1

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

```
def check(a):
```

```
    print("Even" if a % 2 == 0 else "Odd")
```

```
check(12)
```

Marked Answer :

Even

Correct Answer :

Even

Total Marks : 1MARKS OBTAINED 1

- What will be the type of the variable sorted_numbers in the below code snippet?

```
numbers = (4, 7, 19, 2, 89, 45, 72, 22)
```

```
sorted_numbers = sorted(numbers)
```

```
print(sorted_numbers)
```

Marked Answer :

List

Correct Answer :

List

Total Marks : 1MARKS OBTAINED 1

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

```
numbers = (4, 7, 19, 2, 89, 45, 72, 22)
```

```
sorted_numbers = sorted(numbers)
```

```
even = lambda a: a % 2 == 0
```

```
even_numbers = filter(even, sorted_numbers)
```

```
print(type(even_numbers))
```

Marked Answer :

filter

Correct Answer :

filter

Total Marks : 1MARKS OBTAINED 1

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

```
dict1 = {'first': 'sunday', 'second': 'monday'}
```

```
dict2 = {1: 3, 2: 4}
```

```
dict1.update(dict2)
```

```
print(dict1)
```

Marked Answer :

{'first':'sunday','second':'monday',1:3,2:4}

Correct Answer :

{'first':'sunday','second':'monday',1:3,2:4}

Total Marks : 1MARKS OBTAINED 1

Total Marks **29 / 30**

29/30

Question 1

1

Which of the following is not a Python data type?

List

Dictionary

Table Tuple

Question 2

1

What is the output of the following code?

x = 5

y = 3

print(x % y)

 2 1 0 3

Question 3

1

Which of the following is a conditional statement in Python?

 while for if break

Question 4

1

What is the output of the following code?

fruits = ["apple", "banana", "cherry"]

```
print(fruits[1])
```

 apple cherry banana ["apple", "banana", "cherry"]

Question 5

1

Which of the following is a valid way to define a function in Python?

 function name(parameters) { } def function_name(parameters): function name(parameters): define function_name(parameters):

Question 6

1

What is the output of the following code?

```
x = 5
```

```
y = 3
```

```
if x > y:
```

```
    print("x is greater than y")
```

```
else:
```

```
    print("y is greater than x")
```

 x is greater than y y is greater than x 5 is greater than 3

- The code will produce an error.

Question 7

1

Which of the following is used to repeat a block of code as long as a certain condition is true?

if statement

for loop

while loop

break statement

Question 8

1

What is the output of the following code?

x = 5

y = 3

print(x + y * 2)

11

13

16

8

Question 9

1

Which of the following is used to remove an item from a list in Python?

add()

append()

remove() delete()

Question 10

1

What is the output of the following code?

```
x = 5
```

```
y = "Hello"
```

```
print(str(x) + y)
```

 5Hello Hello5 10 The code will produce an error.

Question 11

1

What is the maximum length of a Python identifier?

 32 16 128 No Fixed Length is specified

Question 12

1

What will be the output of the following code snippet?

```
print(2**3 + (5 + 6)**(1 + 1))
```

129 8 121 None of the above

Question 13

1

What will be the datatype of the var in the below code snippet?

```
var = 10
```

```
print(type(var))
```

```
var = "Hello"
```

```
print(type(var))
```

 str and int int and int str and int int and str

Question 14

1

How is a code block indicated in Python?

 Brackets Indentation Key None of the above

Question 15

1

What will be the output of the following code snippet?

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

```
a = tuple(a)
```

```
a[0] = 2
```

```
print(a)
```

 [2,2,3] (2,2,3) (1,2,3) Error

Question 16

1

What will be the output of the following code snippet?

```
print(type(5 / 2))
```

```
print(type(5 // 2))
```

 float and int int and float float and float int and int

Question 17

1

What will be the output of the following code snippet?

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

```
sum = 0
```

```
for ele in a:
```

```
    sum += ele
```

```
print(sum)
```

 15 0 20 None

Question 18

1

What will be the output of the following code snippet?

```
count = 0  
while(True):  
    if count % 3 == 0:  
        print(count, end = " ")  
    if(count > 15):  
        break;  
    count += 1
```

 0 1 215 Infinite Loop 0 3 6 9 12 15 0 3 6 9 12

Question 19

1

Which of the following concepts is not a part of Python?

 Pointers Loops

Dynamic Typing All the above

Question 20

1

What will be the output of the following code snippet?

```
def solve(a, b):  
    return b if a == 0 else solve(b % a, a)  
  
print(solve(20, 50))
```

 10 20 50 1

Question 21

1

What will be the output of the following code snippet?

```
def solve(a):  
    a = [1, 3, 5]  
    a = [2, 4, 6]  
    print(a)  
  
solve(a)  
  
print(a)
```

 [2,4,6][2,4,6] [2,4,6][1,3,5] [1,3,5][1,3,5]

None

Question 22

1

What will be the output of the following code snippet?

```
def func():
    global value
    value = "Local"
    value = "Global"
func()
print(value)
```

 local Global None Cannot be predicted

Question 23

1

Which of the following statements are used in Exception Handling in Python?

 try except finally All of the above

Question 24

1

What will be the output of the following code snippet?

```
a = 3
```

b = 1

print(a, b)

a, b = b, a

print(a, b)

3 1 1 3

3 1 3 1

1 3 1 3

1 3 3 1

Question 25

1

Which of the following types of loops are not supported in Python?

for

while

do - while

None

Question 26

1

What will be the output of the following code snippet?

```
def thrive(n):
```

```
    if n % 15 == 0:
```

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

```
    elif n % 3 != 0 and n % 5 != 0:
```

```
        print("neither", end = " ")
```

```
    elif n % 3 == 0:
```

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

```
    elif n % 5 == 0:
```

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

```
thrive(35)
```

```
thrive(56)
```

```
thrive(15)
```

```
thrive(39)
```

five neither thrive three

five neither three thrive

three three three three

five neither five neither

Question 27

1

What will be the output of the following code snippet?

```
def check(a):  
    print("Even" if a % 2 == 0 else "Odd")  
  
check(12)
```

Even

Odd

Error

None

Question 28

1

What will be the type of the variable sorted_numbers in the below code snippet?

```
numbers = (4, 7, 19, 2, 89, 45, 72, 22)  
  
sorted_numbers = sorted(numbers)  
  
print(sorted_numbers)
```

List Tuple String Int

Question 29

1

What will be the output of the following code snippet?

```
numbers = (4, 7, 19, 2, 89, 45, 72, 22)
```

```
sorted_numbers = sorted(numbers)
```

```
even = lambda a: a % 2 == 0
```

```
even_numbers = filter(even, sorted_numbers)
```

```
print(type(even_numbers))
```

 filter int list tuple

Question 30

1

What will be the output of the following code snippet?

```
dict1 = {'first': 'sunday', 'second': 'monday'}
```

```
dict2 = {1: 3, 2: 4}
```

```
dict1.update(dict2)
```

```
print(dict1)
```

 {'first':'sunday','second':'monday',1:3,2:4} {'first':'sunday','second':'monday'}

{1:3,2:4} None of the above