

# Python Final Assessment

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**50/50 (100%)**

**What is the default compiler for Python?**

Jython

1/1

ATTEMPTED

Cython

PyPy

ActivePython

**2.**

**In which language Is Python written?**

English

1/1

ATTEMPTED

PHP

C

All of the above

3.

**Who developed the Python language?**

Zim Den

1/1

ATTEMPTED

Guido van Rossumc.

Niene Stom

wick Rossumme

4.

**Which one of the following is the correct way of declaring and initializing a variable, x with value 5?**

int x x=5

1/1

ATTEMPTED

int x=5

x=5

declare x=5

5.

**What is the maximum possible length of an identifier?**

16

1/1

ATTEMPTED

32

64

None of the above

**6.**

**What is the output of following code**

**a=1.7**

**a=int(a)**

**b=a\*a**

**print(type(b))**

float

1/1

ATTEMPTED

int

boolean

None of the above

**7. Python Dictionary is used to store the data in a \_\_ format.**

ATTEMPTED

1/1

Group Value pair

Select Value pair

Key Value pair

Item Value pair

**8.**

**Comments in Python begin with?**

\*\*

1/1

ATTEMPTED

<!-- -->

#

...

**9.**

```
x= 5+(6>4)+6/3*5  
print(x)
```

1/1

ATTEMPTED

16.0

8.0

6.0

24.0

**10.**

What will be the output of the following code?

`x = 5`

`y = x % 2 == 0`

`type(y)`

int

1/1

ATTEMPTED

float

bool

error

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

1/1

ATTEMPTED

i, ii, iii, iv, v, vi

ii, i, iii, iv, v, vi

ii, i, iv, iii, v, vi

i, ii, iii, iv, vi, v

**12.**

**Which of the following gives the output as 3?**

```
a.  
a=10  
b=4  
if(a&b):  
    print((a-b)/2)  
else:  
    print(a-b/2)  
b.  
a=10  
b=4  
if(a^b):  
    print((a-b)/2)  
else:  
    print(a-b/2)  
c.  
a=10  
b=4  
if(~a):  
    print(a-2*b+1)  
else:  
    print(a-b/2)  
d.  
a=10  
b=4  
if(a-b):  
    print(a-2*(b+1))  
else:  
    print(a-b/2)
```

a

1/1

ATTEMPTED

b

c

d

13.

Which of the following is False regarding loops in Python?

Loops are used to perform certain tasks repeatedly.

1/1

ATTEMPTED

While loop is used when multiple statements are to be executed repeatedly until the given condition becomes False

- While loop is used when multiple statements are to be executed repeatedly until the given condition becomes True.
- for loop can be used to iterate through the elements of lists.

14.

Which of the following does the for loop iterate on?

- Iterable
- Condition
- Both a and b
- None of the above

1/1

ATTEMPTED

15.

What is the output of the following code?

```
for i in range(5):
    if(i%2):print(i,end=' ')
```

- 1 3
- 0 2 4
- 1 3 5
- 2 4

1/1

ATTEMPTED

16.

Which of the following is not true about the set?

1/1

ATTEMPTED

- Encloses elements using curly brackets
- Mutable
- Uses hash tables
- None of the above

**17.**

**What will be the output of the following code?**

```
list1=[' ']*3  
print(len(list1))
```

- 1
- 2
- 3
- Error

1/1

ATTEMPTED

**18.**

**Which of the following is not true about function arguments?**

- A A function in Python can have any number of arguments
- B All the arguments must be passed while calling the function
- C A function can be defined without any argument
- D All the above

1/1

ATTEMPTED

**19.**

Find the output of the following code?

```
def fun(lst):
    def func(n):
        s=0
        for i in range(0,n+1):
            s=s+lst[i]
        return s
    for i in range(len(lst)):
        print(func(i),end=' ')
fun([1,3,5])
```

1/1

ATTEMPTED

0 1 4

1 4 9

0 1 4 9

None of the above

**20.**

Constructors       an object.

1/1

ATTEMPTED

Â Create

Â Instantiate

Â Duplicate

Â Delete

**21.**

**What default parameter does a constructor contain?**

self

cls

Both A and B

None of the above

1/1

ATTEMPTED

**22.**

**Which of the following statement(s) is/are true?**

**Statement 1: Multiple Inheritance allows a class to inherit multiple classes.**

**Statement 2: A combination of two or more types of inheritance is called Hybrid Inheritance.**

Statement 1 is true

1/1

ATTEMPTED

Statement 2 is true

Both statements are true

None of the statements are true

**23.**

**What is the output of the above code?**

**Code**

```
>>> class Person:  
>>>     def __init__(self, name, age):  
>>>         self.name = name  
>>>         self.age = age  
>>>     age = 50  
  
>>> p1 = Person('Sam', 24)  
>>> print(p1.name, p1.age)
```

1/1

ATTEMPTED

A Sam 24

B Sam 50

C Sam 26

D SyntaxError

## 24.

```
class A:  
  
>>>     def xyz(self):  
>>>         print('Class A')  
  
>>> class B(A):  
>>>     pass  
>>> class C(A):  
>>>     pass  
>>> class D(B, C):  
>>>     pass  
>>> D().xyz()
```

1/1

ATTEMPTED

A xyz

B AttributeError

C Class A

- A None of the above

25.

What is the output of the below code?

Code

```
>>> class Phone:  
>>>     count = 0  
  
>>>     def __init__(self, brand, model, os):  
>>>         self.brand = brand  
>>>         self.model = model  
>>>         self.os = os  
>>>         Phone.count += 1  
  
>>> iPhone = Phone('Apple', 11, 'iOS')  
>>> one_plus = Phone('One Plus', 'Nord', 'Android')  
>>> iPhone.model = f'{one_plus.model}{Phone.count}'  
>>> print(iPhone.model)
```

1/1

ATTEMPTED

- A 11

- A Nord

- A Nord0

- A Nord2

26.

Which of the following represents a real-world entity?

1/1

ATTEMPTED

- A Object

- A Class

- A Instance

A Method

**27.**

**What is the output of the below code?**

**Code**

```
>>> class Car:  
  
>>>     def __init__(self, speed):  
>>>         self.speed = speed  
>>>     def __gt__(self, other):  
>>>         if self.speed > other.speed:  
>>>             return 'Car1 is faster than Car2'  
>>>         else:  
>>>             return 'Car2 is faster than Car1'  
>>> car1 = Car(130)  
>>> car2 = Car(250)  
>>> print(car1 > car2)
```

1/1

ATTEMPTED

A Car1 is faster than Car2

B Car2 is faster than Car1

C True

D False

28.

```
class A:  
  
    >>>     def xyz(self):  
    >>>         print('Class A')  
  
    >>> class B(A):  
    >>>     pass  
    >>> class C(A):  
    >>>     pass  
    >>> class D(B, C):  
    >>>     pass  
    >>> D().xyz()
```

1/1

ATTEMPTED

- A xyz
- B AttributeError
- C Class A
- D None of the above

29.

What is the output of the below code?

Code

```
>>> class Addition:  
>>>     def __init__(self, num):  
>>>         self.num = num  
  
>>>     def __add__(self, other):  
>>>         return self.num - other.num  
  
>>> num1 = Addition(10)  
>>> num2 = Addition(3)  
>>> print(num1 + num2)
```

1/1

ATTEMPTED

- 13

-7

7

-13

30.

What will be the output of below Python code?

```
class A():
    def __init__(self,count=100):
        self.count=count
obj1=A()
obj2=A(102)
print(obj1.count)
print(obj2.count)
```

100 100

1/1

ATTEMPTED

100 102

102 102

Error

31.

Read the code and choose the correct option. Code

```
>>> class RandomClass:
>>>     rand = 123
>>> print(RandomClass().rand)
```

Error

1/1

ATTEMPTED

123

No output

None of these

### 32. What is the correct syntax for an if statement in Python? 1/1

ATTEMPTED

if x > y:

if x > y then:

if (x > y) {

if x > y;

### 33. What does the following code print? x = 10 if x > 15: print("Greater") elif x > 5: print("Medium") else: print("Small") 1/1

ATTEMPTED

Greater

Medium

Small

Error

### 34. What will happen if you mix tabs and spaces for indentation in Python? 1/1

ATTEMPTED

It will run successfully.

It will throw an IndentationError.

- It will run but produce unexpected results.
- It will ignore the indentation.

**35. What will the following code output? `for i in range(3): print(i)`**

ATTEMPTED

1/1

- 0 1 2 3
- 0 1 2
- 1 2 3
- 1 2

**36. What does the following code snippet return? `s = "Hello, World!"  
print(s.split(","))`**

1/1

ATTEMPTED

- ['Hello', 'World!']
- ['Hello,', 'World!']
- ['Hello', 'World']
- ['Hello', ' World']

**37. Which of the following statements is true regarding string concatenation in Python?**

1/1

ATTEMPTED

- Strings can be concatenated using the + operator.
- Strings cannot be concatenated.
- The concat() function is used for concatenation.

- Concatenation can only happen with integers.

38. What will the output of the following code be? `s = "Hello" print(s * 2)`

1/1 ATTEMPTED

- HelloHello
- Hello Hello
- Hello
- 2Hello

39. What will be the result of this code? `nested_list = [[1, 2], [3, 4], [5, 6]]  
flattened = [num for sublist in nested_list for num in sublist]  
print(flattened)`

1/1 ATTEMPTED

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

40. What will be the output of the following code? `def my_function(): x = 10  
return x print(x)`

1/1 ATTEMPTED

- 10
- Error
- None

0

**41. Which keyword is used to modify a variable inside a function to reference a global variable?**

1/1

ATTEMPTED

- global
- local
- nonlocal
- static

**42. What does the filter function do in Python?**

1/1

ATTEMPTED

- It maps values to a new list.
- It reduces a list to a single value.
- It filters elements from a list based on a condition.
- It sorts a list.

**43. What does the reduce function do in Python?**

1/1

ATTEMPTED

- It maps values to a new list.
- It filters elements from a list based on a condition.
- It applies a rolling computation to sequential pairs of values in a list.

- It sorts a list.

#### 44. What is a module in Python?

1/1

ATTEMPTED

- A way to define a class.
- A file containing Python code that can define functions, classes, and variables.
- A method for error handling.
- A built-in function for mathematical operations.

#### 45. What does the regular expression $a|b$ match?

1/1

ATTEMPTED

- The string "a" or the string "b"
- The string "ab"
- Any string containing "a" or "b"
- Any string starting with "a" or "b"

#### 46. Which method can be used to extract text from a tag using BeautifulSoup?

1/1

ATTEMPTED

- get\_text()
- extract\_text()
- text()

- innerHTML()

**47. How can you specify a timeout for a request using the requests library?**

1/1 ATTEMPTED

- Using the timeout parameter
- Using the wait parameter
- Using the delay parameter
- It is not possible to set a timeout

**48. Which of the following statements is used to catch exceptions in Python?**

1/1 ATTEMPTED

- catch
- except
- handle
- finally

**49. Which of the following Python objects can be pickled?**

1/1 ATTEMPTED

- Lists
- Dictionaries
- Custom classes

- All of the above

## 50. What is the difference between pickle.dump() and pickle.dumps()?

1/1

ATTEMPTED

- dump() serializes an object to a string; dumps() serializes it to a file.
- dump() serializes an object to a file; dumps() serializes it to a byte string.
- dump() is used for unpickling; dumps() is for pickling.
- There is no difference; they are the same function.