

Python Final Assessment

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50/50 (100%)

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What is the default compiler for Python?

- ☐ Jython

☒ Cython

☐ PyPy

☐ ActivePython
- 1/1

ATTEMPTED

2.
In which language is Python written?

- ☐ English

☐ PHP

☒ C

☐ All of the above
- 1/1

ATTEMPTED

3.

Who developed the Python language?

- ☐ Zim Den
- ☒ Guido van Rossumc.
- ☐ Niene Stom
- ☐ wick Rossumme

1/1

ATTEMPTED

4.

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

- ☐ int x x=5
- ☐ int x=5
- ☒ x=5
- ☐ declare x=5

1/1

ATTEMPTED

5.

What is the maximum possible length of an identifier?

- ☐ 16
- ☐ 32

1/1

ATTEMPTED

- ☐ 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
- ☒ int
- ☐ boolean
- ☐ None of the above

1/1

ATTEMPTED

7. Python Dictionary is used to store the data in a ___ format.

ATTEMPTED

- ☐ Group Value pair
- ☐ Select Value pair
- ☒ Key Value pair
- ☐ Item Value pair

1/1

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)
```

1/1

ATTEMPTED

☐ int

☐ flaot

☒ 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)
```

1/1

ATTEMPTED

- ☐ a
- ☐ b
- ☒ c
- ☐ d

13.

Which of the following is False regarding loops in Python?

- ☐ Loops are used to perform certain tasks repeatedly.
- ☐ While loop is used when multiple statements are to be executed repeatedly until the given condition becomes False

1/1

ATTEMPTED

- ☒ 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 function in Python can have any number of arguments
- ☒ All the arguments must be passed while calling the function
- ☐ A function can be defined without any argument
- ☐ 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

- ☐ Create
- ☒ Instantiate
- ☐ Duplicate
- ☐ Delete

21.

What default parameter does a constructor contain?

1/1

ATTEMPTED

- ☒ self
- ☐ cls
- ☐ Both A and B
- ☐ None of the above

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.

1/1

ATTEMPTED

- ☐ Statement 1 is true
- ☐ 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

- ☒ Â Sam 24
- ☐ Sam 50
- ☐ Â Sam 26
- ☐ Â 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

- ☐ Â xyz
- ☐ Â AttributeError
- ☒ Â Class 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

- ☐ 11
- ☐ Nord
- ☐ Nord0
- ☒ Nord2

26.

Which of the following represents a real-world entity?

1/1

ATTEMPTED

- ☒ Object
- ☐ Class
- ☐ 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

☒ A Car2 is faster than Car1

☐ A True

☐ A 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

- ☐ ^ xyz
- ☐ ^ AttributeError
- ☒ ^ Class A
- ☐ ^ 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
- ☒ 100 102
- ☐ 102 102
- ☐ Error

1/1

ATTEMPTED

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

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.