

Python Fundamental Assessment

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Python files are saved with the extension as ..?

☐ .python

1/1

ATTEMPTED

☐ .pi

☒ .py

☐ .pe

2.

In which language is Python written?

☐ English

0/1

ATTEMPTED

☐ PHP

☐ C

☒ All of the above

3.

What is the maximum possible length of an Identifier?

☒ 16

0/1

ATTEMPTED

☐ 32

☐ 64

☐ None of the above

4.

Which of the following is the correct way to assign a number to a variable?

☐ var='8'

1/1

ATTEMPTED

☐ var='8'

☐ var==8

☒ var=8

5.

Which of the following is a mutable data type

☐ Tuple

1/1

ATTEMPTED

☐ Float

☒ List

☐ String

6.

Which of the following operators gives 0 as the output when both the inputs are the same?

1/1

ATTEMPTED

- ☐ OR
- ☐ AND
- ☐ NOT
- ☒ XOR

7.

What will be the output of the following code?

```
x = 5
```

```
y = x % 2 == 0
```

```
type(y)
```

- ☐ int
- ☐ flaot
- ☒ bool
- ☐ error

1/1

ATTEMPTED

8. What arithmetic operators can not be used with strings in python?

0/1

ATTEMPTED

- ☐ *
- ☐ minus(-)
- ☐ +

- ☐ All of the mentioned

9. Which of the following operators gives 0 as the output when both the inputs are the same?

1/1

ATTEMPTED

- ☐ OR
- ☐ AND
- ☐ NOT
- ☒ XOR

10.

Identify the output of the following code.

```
print(2**1*3,end=" ")
```

```
print(2*1**3)
```

- ☐ 2 2
- ☐ 8 2
- ☐ 6 6
- ☒ 6 2

1/1

ATTEMPTED

11.

What is the output of the following code?

```
if('' or 5 and True):  
    print("Hello",end=" ")  
else:  
    print('Hi',end=" ")  
print('!')
```

- ☒ Hello !
- ☐ Hi!
- ☐ Hi
- ☐ Hello

12.

.Which of the following code blocks give an error?

```
a.  
opt=2  
if(opt==1):  
    print('Choosen first option')  
elif(opt==2):  
    print('Choosen second option')  
elif(opt==3):  
    print('Choosen third option')  
b.  
if(1): print('If block')  
else: print('Else block')  
c.  
no=5  
if(no%2==0):  
    print('Even Number')  
else(no%2==1):  
    print('Odd Number')
```

- ☐ a
- ☒ c
- ☐ b and c
- ☐ b

13.

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

14.

.Which of the following is true about the decision-making statements?

1/1

ATTEMPTED

- ☐ We can use the 'break' keyword inside these statements
- ☐ We can execute if and else at the same time
- ☒ We can use the 'pass' keyword inside the conditional statements
- ☐ None of the above

15.

Which of the following is not used as loop in Python?

1/1

ATTEMPTED

- ☐ for loop
- ☐ while loop
- ☒ do-while loop
- ☐ None of the above

16.

Which of the following is False regarding loops in Python?

1/1

ATTEMPTED

- ☐ Loops are used to perform certain tasks repeatedly.
- ☐ While loop is used when multiple statements are to executed repeatedly until the given condition becomes False
- ☒ While loop is used when multiple statements are to executed repeatedly until the given condition becomes True.
- ☐ for loop can be used to iterate through the elements of lists.

17.

Which of the following is True regarding loops in Python?

1/1

ATTEMPTED

- ☐ Loops should be ended with keyword "end".
- ☐ No loop can be used to iterate through the elements of strings.
- ☒ Keyword "break" can be used to bring control out of the current loop.
- ☐ Keyword "continue" is used to continue with the remaining statements inside the loop.

18.

Which of the following is not a control statement in loops?

1/1

ATTEMPTED

- ☐ break
- ☒ end
- ☐ continue
- ☐ None of the above

19.

.What is the output of the following code?

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

1/1

ATTEMPTED

- ☒ 1 3
- ☐ 0 2 4

☐ 135

☐ 24

20.

Study the following program:

```
z ="xyz"  
j ="j"  
while j in z:  
    print(j,end=" ")
```

What will be the output of this statement?

☐ j

1/1

ATTEMPTED

☐ jjj

☐ error

☒ No output

21.

Which of the following operations can be performed on a dictionary?

☐ Addition

1/1

ATTEMPTED

☐ Multiplication

☒ Membership

☐ All the above

22.

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

23.

Which of the following cannot be used for deleting values of sets?

1/1

ATTEMPTED

- ☐ discard
- ☐ pop
- ☒ del
- ☐ None of the above

24.

What will be the output of the following code?

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

1/1

ATTEMPTED

- ☐ 1

- ☐ 2
- ☒ 3
- ☐ Error

25.

Which of the following is true about keyword arguments?

1/1 ATTEMPTED

- ☐ We can pass the keywords as the arguments
- ☐ We can give the argument in a particular order
- ☒ We can equate the value to the corresponding parameter name while passing
- ☐ All the above

26.

PYTHONPATH is a ____ variable.

1/1 ATTEMPTED

- ☐ Local
- ☐ Global
- ☒ Environmental
- ☐ None of the above

27.

What keyword is used to rename a module while importing.

1/1 ATTEMPTED

rename

- ☒ as
- ☐ new
- ☐ in

28.

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])
```

0/1

ATTEMPTED

- ☐ 014
- ☐ 149
- ☐ 0149
- ☒ None of the above

29. Which of the following is not a function argument in Python?

ATTEMPTED

1/1

- ☐ keyword argument
- ☐ Variable length argument
- ☐ default argument

☒ none of these

30. What is the standard number of spaces used for indentation in Python?

1/1

ATTEMPTED

- ☐ 1 space
- ☐ 2 space
- ☐ 3 space
- ☒ 4 space

31. In which of the following cases is indentation NOT necessary?

ATTEMPTED

1/1

- ☐ Inside a function
- ☐ Inside a loop
- ☐ After an if statement
- ☒ After a comment

32. What is the output of the following code? `x = [1, 2, 3]` `print(type(x))`

1/1

ATTEMPTED

- ☐ <class 'tuple'>
- ☒ <class 'list'>
- ☐ <class 'dict'>

☐ <class 'set'>

33. What is the result of the following code snippet? z = "Hello, World!"

print(z[0:5])

0/1

ATTEMPTED

☐ Hello

☐ Hello,

☐ Hello, W

☒ H

34. What will the following code print? a = None print(type(a))

ATTEMPTED

1/1

☒ <class 'NoneType'>

☐ <class 'int'>

☐ <class 'str'>

☐ <class 'bool'>

35. What does the following code snippet return? s = "Hello, World!"

print(s.split(","))

1/1

ATTEMPTED

☒ ['Hello', ' World!']

☐ ['Hello,', 'World!']

☐ ['Hello', 'World']

- ☐ ['Hello', 'World']

36. What is the output of this code? `s = " Python " print(s.strip())`

ATTEMPTED

1/1

- ☒ Python
- ☐ Python
- ☐ python
- ☐ python

37. Which of the following statements is true about the following list comprehension? `nums = [1, 2, 3, 4] doubled = [x * 2 for x in nums]`

1/1

ATTEMPTED

- ☐ It creates a list of numbers from 1 to 4.
- ☐ It creates a list of numbers from 2 to 8.
- ☒ It creates a list of doubled values of nums.
- ☐ It creates a list of squared values of nums.

38. Which of the following is an incorrect way to use list comprehension?

0/1

ATTEMPTED

- ☐ `[x * 2 for x in range(10)]`
- ☒ `[x for x in range(10) if x > 5]`
- ☐ `[x for x in range(10) if x % 2]`

- ☐ `[(x, y) for x in range(5) for y in range(5)]`

39. What is the correct syntax to define a function in Python?^{1/1}

ATTEMPTED

- ☐ `def function_name[]:`
- ☐ `function function_name():`
- ☒ `def function_name():`
- ☐ `function_name():`

40. What will the following code output? `def my_function(): return 42 result = my_function() print(result)`^{1/1}

ATTEMPTED

- ☐ None
- ☒ 42
- ☐ my_function
- ☐ Error

41. What will be the output of the following code? `def print_info(name, age): print(f"Name: {name}, Age: {age}") print_info(age=30, name="Bob")`^{1/1}

ATTEMPTED

- ☒ Name: Bob, Age: 30
- ☐ Name: 30, Age: Bob
- ☐ Error

☐ Name: Bob

42. What type of argument is defined with a default value? 1/1

ATTEMPTED

- ☐ Positional argument
- ☐ Keyword argument
- ☒ Default argument
- ☐ Variable-length argument

43. What is the scope of a variable defined inside a function? 1/1

ATTEMPTED

- ☐ Global scope
- ☒ Local scope
- ☐ Enclosing scope
- ☐ Module scope

44. What does the lambda keyword do in Python?

1/1

ATTEMPTED

- ☐ It defines a function with a name.
- ☒ It creates an anonymous function.
- ☐ It creates a class.
- ☐ It defines a variable.

45. 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.

46. What does the map function do in Python?

1/1

ATTEMPTED

- ☒ It creates a new list by applying a function to each element of a list.
- ☐ It filters elements from a list based on a condition.
- ☐ It reduces a list to a single value.
- ☐ It sorts a list.

47. 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.

48. How do you import a module in Python?

1/1

ATTEMPTED

- ☒ `import module_name`

- ☐ include module_name
- ☐ require module_name
- ☐ load module_name

49. Which of the following statements is true regarding the use of modules in Python?

1/1

ATTEMPTED

- ☐ A module can only contain functions.
- ☒ A module can contain classes and variables in addition to functions.
- ☐ You cannot create your own modules.
- ☐ Modules cannot be imported into other modules.

50. How can you import only a specific function from a module?

ATTEMPTED

1/1

- ☒ from module_name import function_name
- ☐ import module_name.function_name
- ☐ require module_name.function_name
- ☐ include module_name.function_name