

# Python Fundamental Assessment

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**Score Obtained:**  
**48/50 (96%)**

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**The function to display a specified message on the screen is ... ?**

☐ display

1/1

ATTEMPTED

☒ print

☐ output

☐ console

**2.**

**In which language is Python written?**

☐ English

1/1

ATTEMPTED

☐ PHP

☒ C

☐ All of the above

**3.**

**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

**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.

Which of the following is a mutable data type

1/1

ATTEMPTED

☐ Tuple

☐ Float

☒ List

☐ String

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.

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

1/1

ATTEMPTED

☐ OR

☐ AND

☐ NOT

☒ XOR

9.

.Find the output of the following code.

```
str1=str(1234)
str2='1234'
print(str1==str2,end=' ')
print(str1 is str2)
```

1/1

ATTEMPTED

- ☐ True True
- ☐ False True
- ☐ False False
- ☒ True False

10.

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

1/1

ATTEMPTED

- ☒ 16.0
- ☐ 8.0
- ☐ 6.0
- ☐ 24.0

11.

What will be the output of the following code?

**x = 5**

`y = x % 2 == 0`

`type(y)`

1/1

ATTEMPTED

- ☐ int
- ☐ flaot
- ☒ bool
- ☐ error

12. The % operator returns the \_\_\_\_.

1/1

ATTEMPTED

- ☐ Quotient
- ☐ Divisor
- ☒ Remainder
- ☐ None of the above

13.

What is the output of the following code?

```
if('p' in 'Python'):
    print('P is present',end=' ')
else:
    print('Not present')
```

1/1

ATTEMPTED

- ☐ P is present
- ☐ P is present Not present
- ☒ Not present

☐ None of the above

14.

.What is the output of the following code?

```
a=4
if a<0:
    print('Negative')
print(a)
```

1/1

ATTEMPTED

- ☐ No output
- ☐ Negative 4
- ☒ 4
- ☐ SyntaxError

15.

```
if("false"):
    print("false")
elif("true"):
    print("true")
else:
    print("None")
```

1/1

ATTEMPTED

- ☐ true
- ☒ false
- ☐ true false

☐ None

16.

.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')
```

1/1

ATTEMPTED

☐ a

☒ c

☐ b and c

☐ b

17.

What is the output of the following code?

```
x=5
y=3
z=2
if(y-z>5-y):
    y=y+3
elif(z-x):
    z=z+4
else:
    x=x-1
print(x+y*2-z)
```

1/1

ATTEMPTED

- ☐ 15
- ☒ 5
- ☐ 8
- ☐ 10

18.

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

19.

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.

20.

What will be the output of the following Python code?

```
list1=[3,2,5,6,0,7,9]
sum=0
sum1=0
for elem in list1:
    if(elem%2==0):
        sum=sum+elem
        continue
    if(elem%3==0):
        sum1=sum1+elem
print(sum,end=" ")
print(sum1)
```

☐ '8' 9

1/1

ATTEMPTED

☐ 8 3

☐ 2 3

☒ 8 12

21.

Which of the following does the for loop iterate on?

☒ Iterable

1/1

ATTEMPTED

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

22.

Which of the following does not give an empty set?

1/1

ATTEMPTED

- ☐ `set(range(3,3))`
- ☐ `set(range(1,-3,-5))`
- ☐ `set(range(-2,4,3))`
- ☒ Both b and c

23.

How many times does the below code execute?

```
i=0
while (i<10):
    if(i%2): i=i+3
```

```
i=i+1
```

1/1

ATTEMPTED

- ☐ 5
- ☐ 6
- ☒ 4

☐ 3

24.

What is the output of the following code?

```
for i in range(1,6,2):  
    if (i==4):  
        break  
    print(i,end=' ')
```

☐ 1 3

1/1

ATTEMPTED

☐ 1 2 3

☐ 2 6

☒ 1 3 5

25.

Which of the following functions cannot be used to add an element to the list?

☒ add()

1/1

ATTEMPTED

☐ insert()

☐ append()

☐ extend()

26.

Which of the following can be used as keys for dictionaries?

☐ Lists

1/1

ATTEMPTED

- ☒ Tuples
- ☐ Sets
- ☐ Dictionaries

27.

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

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

1/1

ATTEMPTED

28.

What is the default value of a function?

- ☐ int
- ☐ Print statement
- ☐ Empty String
- ☒ None

1/1

ATTEMPTED

29.

Which of the following statements can be used to define an empty function?

0/1

ATTEMPTED

- ☐ A pass statement
- ☐ A Empty return statement
- ☐ A print("")
- ☒ A Both a and b

30.

Which of the following is not true about function arguments?

1/1

ATTEMPTED

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

31.

Which of the following is true about keyword arguments?

0/1

ATTEMPTED

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

32.

What keyword is used to rename a module while importing.

1/1

ATTEMPTED

- ☐ rename
- ☒ as
- ☐ new
- ☐ in

33. Which of the following is true about the else statement? 1/1

ATTEMPTED

- ☐ It can exist without an if.
- ☐ It executes only if the preceding if condition is true.
- ☒ It executes only if all preceding if and elif conditions are false.
- ☐ It must always be followed by an elif.

34. Why is Indentation Important in Python?

1/1

ATTEMPTED

- ☐ It makes the code look better.
- ☒ It is required for the code to run correctly.
- ☐ It helps in defining variables.
- ☐ It is used for comments.

35. 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.

36. What will the following code output? `count = 0 while count < 3:`

`print(count) count += 1`

1/1

ATTEMPTED

- ☐ 0 1 2 3
- ☒ 0 1 2
- ☐ 0 1 2 3 4
- ☐ Infinite loop

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

`print(z[0:5])`

1/1

ATTEMPTED

- ☒ Hello
- ☐ Hello,
- ☐ Hello, W
- ☐ H

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

`print(s.split(","))`

1/1

ATTEMPTED

- ☒ ['Hello', ' World!']

☐ ['Hello,', 'World!']

☐ ['Hello', 'World']

☐ ['Hello', ' World']

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

ATTEMPTED

1/1

☒ Python

☐ Python

☐ python

☐ python

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

1/1

ATTEMPTED

☒ HelloHello

☐ Hello Hello

☐ Hello

☐ 2Hello

41. What will be the output of the following code? `squares = [x**2 for x in range(5)] print(squares)`

1/1

ATTEMPTED

☐ [1, 4, 9, 16, 25]

☒ [0, 1, 4, 9, 16]



☐ [1, 2, 3, 4, 5]

☐ [1, 2, 3, 4]

**42. 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]

☐ []

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

1/1

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)]`

**44. 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():

45. What will be the output of this code? `def multiple_returns(): return 1, 2, 3`  
`result = multiple_returns() print(result)` 1/1 ATTEMPTED

- ☐ 1
- ☐ 1, 2, 3
- ☐ [1, 2, 3]
- ☒ (1, 2, 3)

46. 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

47. What will be the output of the following code? `def factorial(n): if n == 0: return 1 else: return n * factorial(n - 1)`  
`print(factorial(5))` 1/1 ATTEMPTED

- ☒ 120
- ☐ 60
- ☐ 5

☐ error

**48. 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.

**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. What will happen if you try to import a module that doesn't exist?**

1/1

ATTEMPTED

- ☐ The program will continue running without the module.
- ☐ Python will create a new module.
- ☒ An ImportError will be raised.

- ☐ The program will run but with limited functionality.