

Python Fundamental Assessment

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48/50 (96%)

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

Tuple

1/1

ATTEMPTED

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?

OR

1/1

ATTEMPTED

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)`

- int
- float
- bool
- error

1/1

ATTEMPTED

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')
```

- P is present
- P is present Not present
- Not present

1/1

ATTEMPTED

- 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?

for loop

1/1

ATTEMPTED

while loop

do-while loop

None of the above

19.

Which of the following is True regarding loops in Python?

Loops should be ended with keyword "end".

1/1

ATTEMPTED

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`

1/1

ATTEMPTED

`pop`

`del`

`None of the above`

28.

What is the default value of a function?

`int`

1/1

ATTEMPTED

`Print statement`

`Empty String`

`None`

29.

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

0/1

ATTEMPTED

- A pass statement
- B Empty return statement
- C print("")
- D 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
- B All the arguments must be passed while calling the function
- C A function can be defined without any argument
- D 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
- B We can give the argument in a particular order
- C We can equate the value to the corresponding parameter name while passing
- D All the above

32.

What keyword is used to rename a module while importing.

rename

1/1

ATTEMPTED

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 = [x2 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.