

1. What is the output of?

```
print("Hello, World!".capitalize())
```

- A.** "Hello ,World! "**B.** Error **C.** HELLO,WORLD! **D.** Hello, World!

2. What is the data type of?

```
Year = "2024"
```

- A.** Integer **B.** String **C.** Float **D.** Boolean

3. What is the output of?

```
Number = [1, 2, 3];  
print(Number[1])
```

- A.** 2 **B.** 3 **C.** 123 **D.** 1

4. What is the output of?

```
x = 5;  
if x > 10:  
    print("Greater")
```

- A. Less**      **B. None**      **C. Greater**      **D. Error**

5. What is the output of?

```
def my_function (name):  
    print("Hello, " + name);  
my_function ("John")
```

- A. Function not defined**      **B. Hello , John**      **C. Error**      **D. None**

6. What is the output of?

```
x = 5;  
if x > 10:  
    print("big");  
else:  
    print("small")
```

- A. big**      **B. small**      **C. error**      **D. none**

7. What is the output of?

```
for i in range(1, 5, 1):  
    print(i)
```

**A.** 1 2 3 4 5

**B.** 0 1 2 3

**C.** error

**D.** 1 2 3 4

8. What is the output of?

```
def add(a=3, b=5):  
    return a + b;  
print(add(2, 3))
```

**A.** 8

**B.** 13

**C.** 5

**D.** error

9. What is the output of?

```
add = [1, 2, 3, 4, 5];  
print(sum(add))
```

**A.** 10

**B.** 15

**C.** none

**D.** error

10. What is the output of?

```
import random;  
print(random.randint(1, 10))
```

**A. 1-10**    **B. error**    **C. none**    **D. random number between 1 and 10**

11. What is the output of?

```
with open("file.txt", "w") as f:  
    f.write("Hello")
```

```
with open("file.txt", "r") as f:  
    print(f.read())
```

**A. file not found**    **B. error**    **C. Hello**    **D. none**

12. What is the output of?

```
try: print(5/0);  
except ZeroDivisionError:  
    print("Error")
```

**A. error**    **B. 0**    **C. Error**    **D. none**

13. What is the output of?

```
i = 1;
while i < 5:
    print(i);
```

- A.** 0 1 2 3 4      **B.** 1 2 3 4 5      **C.** 0 1 2 3      **D.** Repeatedly print 1

14. What is the output of?

```
my_list =(1, 2, 3,4);
my_list.append("five");
print(my_list)
```

- A.** [1, 2, 3, 4, "five"]      **B.** [1 2 3 4 "five"]      **C.** ERROR      **D.** [1,2,3,4,5]

15. What is the output of?

```
import re;
print(re.sub("ab", "cd", "ababab")))
```

- A.** ababab      **B.** none      **C.** cdcdcd      **D.** error

16. What is the output of?

```
A = 5/5.5  
B = 5*5.5  
Print(A//B)
```

- A. 0**      **B. 30.0**      **C. 0.0**      **D. 1.0**

17. What is the output of?

```
X=([],)  
X[0].append(1)  
Print(x)
```

- A. (1,)**      **B. ([],1)**      **C. ([1],)**      **D. error**

18. What is the output of?

```
def magic(a, b):  
    return (a + b) * (a - b)  
X = 10  
Y = 20  
result = magic(X, Y)  
print(result)
```

- A. 100**      **B. -100**      **C. 0**      **D. -300**

19. What is the output of?

```
aTuple=("orange")  
Print(type(aTuple))
```

- A. list**      **B. tuple**      **C. error**      **D. none of above**

20. What is the output of?

```
My_string=("python")  
Print(My_string[-2])
```

- A. error**      **B. h**      **C. o**      **D. none of above**

21. What is the output of?

```
a = [1,2,3]  
b = a.copy()  
Print(a == b, a is b)
```

- A. True True**      **B. False False**      **C. True False**      **D. False True**

22. What is the output of?

```
def fuction(x = 1, y = 2):  
    x = x + y  
    y += 1  
    print(x,y)  
fuction(y = 2, x = 1)
```

A. 13

B. 23

C. 32

D. 33

23. What is the output of?

```
a = '2'  
b = '2'  
Print(a +b)
```

A. 2

B. 4

C. 22

D. error

24. What is the output of?

```
Tuple = (1,2,3)  
Tuple.append((4,5))  
print(len(Tuple))
```

A. 5

B. 4

C. none of above

D. Error



25. What is the output of?

```
def function():  
    print('function')  
print(function())
```

**A. function None**    **B. None function**    **C. function function**    **D. Error**

26. What is the output of?

```
x, y = 5, 3  
result = (x ** y) % 4  
print(result)
```

**A. 3.0**                      **B. 2.0**                      **C. 1**                      **D. 0**

27. What is the output of?

```
my_list = [3, 2, 1, 4, 5]  
result = sorted(my_list)[2:]  
print(result)
```

**A. [1,2]**                      **B. [1,2,3]**                      **C. [2,3,4,5]**                      **D. [3,4,5]**

28. What is the output of?

```
x, y = 3, 4  
y, z = 5, 6  
sum = x + y + z  
print(sum)
```

**A. 18**

**B. 14**

**C. 13**

**D. none of above**

29. What is the output of?

```
backend = "java"  
def function(a):  
    print(a) + backend  
function("python")
```

**A. pythonjava**

**B. python ERROR**

**C. java ERROR**

**D. ERROR**

30. What is the output of?

```
for num in range(10):  
    if num < 5:  
        continue  
    elif num > 8:  
        break  
    print(num, end=" ")
```

**A. 5 6 7 8 9 10**

**B. 4 5 6 7 8**

**C. 5 6 7 8**

**D. 5 6 7**

31. What is the output of?

```
def number(num):  
    if num % 2 == 0:  
        return True  
    else:  
        return False  
print(number (10))
```

**A. Error**

**B. None**

**C. False**

**D. True**

32. What is the output of?

```
print(0.1 + 0.2 == 0.3 )
```

**A. False**

**B. True**

**C. 0.3**

**D. 0.6**

33. What is the output of?

```
sort_list = lambda x: x.sort()  
numbers = [3,1,4,2]  
sort_list(numbers)  
print(numbers)
```

**A. [3,1,4,2]**

**B. 3,1,4,2**

**C. [1,2,3,4]**

**D. error**

34. What is the output of?

```
num = list("1234")  
num[0] = num[1] = 5  
print(num)
```

- A.** [5, 5, '3', '4']      **B.** ['5', '5', '3', '4']      **C.** [5,5,3,4]      **D.** error

35. What is the output of?

```
Language = "python"  
Framework = "Django"  
print(Language > Framework)
```

- A.** True      **B.** False      **C.** none      **D.** error

36. What is the output of?

```
try: print(1)  
except: print(2)  
finally: print(3)
```

- A.** Error      **B.** 1 3      **C.** 1 2 3      **D.** 2 3

37. What is the output of?

```
List = ['O', 'u', 't', 'p' 'u', 't']  
result = ''.join(List)  
print(result)
```

- A. Error**      **B. ['O', 'u', 't', 'p' 'u', 't']**      **C. Output**      **D. o"u"t"p"u"t"**

38. What is the output of?

```
tuple = (100,)  
print(tuple * 2)
```

- A. (200,)**      **B. (100, 100)**      **C. (100, 100,)**      **D. Error**

39. What is the output of?

```
def add(a, b):  
    return a+5, b+10  
result = add(7, 2)  
print (result)
```

- A.( 24)**      **B. (12)**      **C. (12, 12)**      **D. Syntax Error**

40. What is the output of?

```
num = 0
while num < 5:
    num += 1
    if num == 3:
        continue
    print(num, end=" ")
```

**A.** 0 1 2 4 5

**B.** 1 2 3 4 5

**C.** 0 1 2 3 4

**D.** 1 2 4 5

41. What is the output of?

```
def python():
    return python() + 1
print(python)
```

**A.** SyntaxError

**B.** RecursionError

**C.** ValueError

**D.** Error

42. What is the output of?

```
def function():
    return pass
print(function ())
```

**A.** None

**B.** syntaxError

**C.** Pass

**D.** Error

43. What is the output of?

```
set1 = {1,2,3,int('4')}  
set2 = {3, str(4)}  
print(set1.union(set2))
```

- A.** {1, 2, 3, 4, '4'}      **B.** {1, 2, 3, 4,}      **C.** {1, 2, 3, '4'}      **D.** None

44. What is the output of?

```
number = 100.1342  
print(round(number, 3))
```

- A.** 100.134      **B.** 100.1342      **C.** 100.3      **D.** None

45. What is the output of?

```
my_dict = {1:1, 1:2, 1:3}  
print(my_dict)
```

- A.** {1:1,1:2,1:3}      **B.** 2      **C.** 3      **D.** None

46. What is the output of?

```
a = ~4  
b = a + 4  
print(b)
```

**A. -1**

**B. 1**

**C. 2**

**D. -2**

47. What is the output of?

```
print([i**2 for i in range(5)])
```

**A. [0, 1, 4, 9, 16]**

**B. [1, 2, 3, 4, 5]**

**C. Error**

**D. None**

48. What is the output of?

```
b = 30  
def fun(a, b=b):  
    return a+b  
print(fun(1))
```

**A. 1**

**B. 31**

**C. Error**

**D. 30**



49. What is the output of?

```
print([1, 2, 3].index(2))
```

**A. 0**

**B. 2**

**C. Error**

**D. 1**

50. What is the output of?

```
x = (i for i in range(3))  
for i in x:  
    print(i)
```

**A. 0 1 2**

**B. 0 1 2 0 1 2**

**C. Error**

**D. none**

## Answers:

1. D. Hello, World!
2. B. String
3. A. 2
4. B. None
5. B. Hello, John
6. B. small
7. D. 1 2 3 4
8. C. 5
9. B. 15
10. D. random number between 1 and 10
11. C. Hello
12. C. Error
13. D. Repeatedly print 1
14. C. ERROR
15. C. cdcdcd
16. C. 0.0
17. C. ([1],)
18. D. -300
19. B. tuple
20. C. o
21. C. True False
22. D. 33
23. C. 22
24. D. Error
25. A. function None
26. C. 1
27. D. [3,4,5]
28. B. 14
29. B. python ERROR
30. C. 5 6 7 8
31. D. True
32. A. False
33. C. [1,2,3,4]
34. A. [5, 5, '3', '4']
35. A. True
36. B. 1 3
37. C. Output
38. B. (100, 100)
39. C. (12, 12)
40. D. 1 2 4 5
41. B. RecursionError
42. A. None
43. A. {1, 2, 3, 4, '4'}
44. A. 100.134
45. C. 3
46. A. -1
47. A. [0, 1, 4, 9, 16]
48. B. 31
49. D. 1
50. A. 0 1 2