

CHAPTER 1: Basics of Python Programming

Find Out the Error, If Any

1. TypeError: unsupported operand type(s) for +: 'int' and 'str'
2. TypeError: can't multiply sequence by non-int of type 'str'
3. Ans. TypeError: can't multiply sequence by non-int of type 'float'
4. TypeError: can't multiply sequence by non-int of type 'float'
5. Error! Tab at the start of the line
6. NameError: name 'z' is not defined
7. SyntaxError: invalid syntax
8. SyntaxError: invalid syntax
9. TypeError: unsupported operand type(s) for /: 'str' and 'int'
10. ValueError: invalid literal for int() with base 10: 'ABC'
11. TypeError: object of type 'bool' has no len()
12. TypeError: unsupported operand type(s) for /: 'str' and 'int'
13. ValueError: invalid literal for int() with base 10: 'HELLO'
14. NameError: name 'i' is not defined

CHAPTER 2: Revisiting Data Structures in Python

1. TypeError: 'str' object does not support item assignment
2. TypeError: not enough arguments for format string
3. TypeError: not all arguments converted during string formatting
4. TypeError: must be real number, not str
5. TypeError: 'str' object does not support item assignment
6. TypeError: 'str' object doesn't support item deletion
7. TypeError: can only concatenate str (not "int") to str
8. TypeError: can't multiply sequence by non-int of type 'str'
9. TypeError: list indices must be integers or slices, not float
10. NameError: name 'even' is not defined
11. ValueError: list.remove(x): x not in list
12. AttributeError: 'str' object has no attribute 'append'
13. TypeError: can only concatenate list (not "int") to list
14. ValueError: list.remove(x): x not in list
15. TypeError: can't multiply sequence by non-int of type 'float'
16. TypeError: unsupported operand type(s) for -: 'tuple' and 'tuple'
17. NameError: name 'tup' is not defined
18. TypeError: 'tuple' object does not support item assignment
19. ValueError: too many values to unpack (expected 2)
20. TypeError: unhashable type: 'list'
21. TypeError: unhashable type: 'list'
22. TypeError: can only concatenate tuple (not "int") to tuple
23. TypeError: '>' not supported between instances of 'list' and 'int'
24. ValueError: not enough values to unpack (expected 4, got 3)
25. IndexError: tuple index out of range
26. TypeError: unsupported operand type(s) for -: 'tuple' and 'tuple'
27. TypeError: can't multiply sequence by non-int of type 'tuple'
28. TypeError: 'tuple' object does not support item assignment
29. TypeError
30. KeyError: 'USA'
31. KeyError: 0
32. TypeError: unhashable type: 'list'
33. KeyError: 'H'
34. TypeError: unhashable type: 'list'
35. KeyError: ('a', 'b')

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CHAPTER 3: Functions and Modules

Find Out the Error, If Any

1.

```
def func():  
    print("Hello World")
```

OUTPUT

NO ERROR

2.

```
var1 = "Good"  
def show():  
    var2 = "Morning"  
    print(var1)  
    print(var2)
```

show()

print(var1)

print(var2)

OUTPUT

Good

Morning

Good

NameError: name 'var2' is not defined. Did you mean: 'var1'?



3.

```
def f():  
    print(var)  
    var = 10  
    print(var)
```

var = 100

f()

ERROR

UnboundLocalError: local variable 'var' referenced before assignment

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4.

```
def f():  
    var = 100  
    print(var)  
    f()  
    print(var)
```

OUTPUT

NO ERROR

5.

```
def func(var):  
    var+=1  
    var *= 2  
    print(var)  
func(9)  
print(var)
```

OUTPUT

20

NameError: name 'var' is not defined. Did you mean: 'vars'?

6.

```
def func1():  
    var = 3  
    func2()  
def func2():  
    print(var)  
func1()
```

ERROR

NameError: name 'var' is not defined. Did you mean: 'vars'?

7.

```
def display(x,y):  
    print (x+y)  
display(10)
```

ERROR

TypeError: display() missing 1 required positional argument: 'y'

8.

```
def func(a, b):  
    print(a)  
    print(b)  
func(b=10, 20)  
ERROR  
Syntax Error
```

9.

```
def func1():  
    print("func1()")  
func1()  
func2()  
def func2():  
    print ("func2()")  
OUTPUT  
func1()  
NameError: name 'func2' is not defined. Did you mean: 'func1'?
```

10.

```
import math as m  
print(math.sqrt(25))  
ERROR  
NameError: name 'math' is not defined
```

11.

```
def factorial(x):  
    return x*factorial(x-1)  
print(factorial(6))  
ERROR  
RecursionError: maximum recursion depth exceeded
```

12.

```
def sum_to(x):  
    return x+sum_to(x-1)  
print(sum_to(5))
```

ERROR

RecursionError: maximum recursion depth exceeded



CHAPTER 4: Data Handling Using Numpy

ERROR

1.

```
import numpy as np
x = np.ones((3,4))
print(x.shape)
y = np.arange(1,4)
print(y.shape)
x - y
```

OUTPUT

```
(3, 4)
```

```
(3,)
```

```
ValueError: operands could not be broadcast together with shapes (3,4) (3,)
```

2.

```
import numpy as np
arr = np.array([1, 2, 3, 4, 5, 6, 7, 8])
newarr = arr.reshape(2, 2, -1)
print(newarr)
```

OUTPUT

```
[[[1 2]
```

```
 [3 4]]
```

```
 [[5 6]
```

```
 [7 8]]]
```

CHAPTER 7: File Handling

FIND OUT ERROR IF ANY

1.

```
with open("File.txt") as file:  
    file.write("Hello World")  
  
with open(File.txt) as f:  
    data = f.read()  
    print(data)
```

ERROR

io.UnsupportedOperation: not writable

2.

```
filename = "File.txt"  
file = open("filename", "r")  
for line in file:  
    print(line, end = '')
```

ERROR

UnicodeDecodeError: 'charmap' codec can't decode byte 0x81 in position 18: character maps to <undefined>

3.

```
filename = "File.txt"  
file = open(filename, "r")  
while True:  
    print(file.readline())
```

ERROR

RUN INFINITE

4.

```
file = open("File.txt", "a")  
write("Hello World again")
```

ERROR

NameError: name 'write' is not defined

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5.

```
data = {'one': 1, 'two': 2, (1,2): 3}
```

```
json.dumps(data, indent=4)
```

ERROR

TypeError: keys must be str, int, float, bool or None, not tuple

