

13_In-Class_Python_Errors

ITF-010-Python+08_(13)Errors

Training Clarusway

Pear Deck - December 2, 2021 at 8:15PM

Part 1 - Summary

Use this space to summarize your thoughts on the lesson

Part 2 - Responses

Slide 1



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Table of Contents



- ▶ Introduction to Errors
- ▶ Syntax Errors
- ▶ Common Errors

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Slide 3



1 Introduction to Errors

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Your Response

<div><p>What can you say about this lesson?</p><p><i>Summarize what you've learned from pre-class content.</i></p><p>Students, write your response!</p><p><small>Pear Deck Interactive Slide Do not remove this text</small></p></div>	
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Slide 5	Your Response
<div><p>► Introduction (review) ►</p><p>► Consider the following example :</p><pre>1 print("Don't say 'I never make a mistake'")</pre><p>What is the output? Try to figure out in your mind...</p><p>Students, write your response!</p><p><small>Pear Deck Interactive Slide Do not remove this text</small></p></div>	

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Slide 6

► Introduction (review)



- Consider the following example :

```
1 print("Don't say 'I never make a mistake'")
```

```
1 Traceback (most recent call last):
2   File "code.py", line 1
3     print("Don't say 'I never make a mistake'")
4                                     ^
5 SyntaxError: unexpected EOF while parsing
```

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► Introduction (review)



```
1 Traceback (most recent call last):
2   File "code.py", line 1
3     print("Don't say 'I never make a mistake'")
4                                     ^
5 SyntaxError: unexpected EOF while parsing
```

⚠ Attention:

- Do not panic when you see those error lines. Do not hesitate to read carefully what they are saying to you.

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2 Syntax Errors

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► Syntax Errors (review)



```
1 | Traceback (most recent call last):  
2 |   File "code.py", line 1  
3 |     print("Don't say 'I never make a mistake'")  
4 |  
5 | SyntaxError: unexpected EOF while parsing
```

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► Syntax Errors (review)



```
1 |Traceback (most recent call last):
2 |File "code.py", line 1
3 |    print("Don't say 'I never make a mistake'"
4 |
5 |SyntaxError: unexpected EOF while parsing
```

) is forgotten

^

associated value

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3 ► Common Errors

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Slide 12

Your Response

Summarize what you've learned from pre-class content about common errors:



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Students, write your response!

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Slide 13

► Common Errors (review)

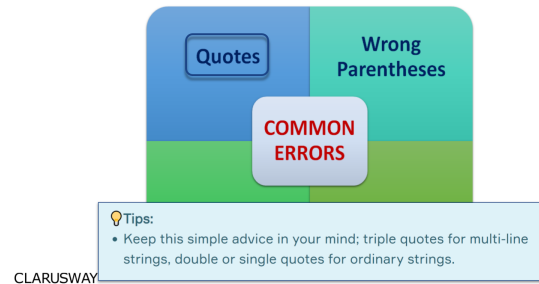


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Slide 14

► Common Errors (review)



Use this space to take notes:

Slide 15

► Common Errors (review)



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Slide 16

Common Errors (review)

⚠️ Avoid ! :

- Do not confuse uppercase and lowercase letter of the keywords. Keep in your mind that Python is a case-sensitive programming language.

COMMON ERRORS

Wrong Spelling & Typo

Indents

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Slide 17

Common Errors (review)

⚠️ Avoid ! :

- Do not forget to put the appropriate indent where necessary. Keep in your mind that Python is a indent-sensitive programming language.

COMMON ERRORS

Wrong Spelling & Typo

Indents

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Slide 18	Your Response

▶ Common Errors

▶ Let's find some errors in the codes :

```
1 status = []
2 if status:
3     print('Hello World')
4 else
5     print("Hello Universe")
6
```

What is the error? Try to figure out in your mind...

 SUBMIT your response!

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▶ Common Errors

▶ There is a typo (missing colon) :

```
1 status = []
2 if status:
3     print('Hello World')
4 else
5     print("Hello Universe")
6
```

a colon : should be put here

Output

```
File "code.py", line 4
else
^
SyntaxError: invalid syntax
```

Use this space to take notes:

Slide 20	Your Response

Common Errors

- Let's find some errors in the codes :

```
1 x = ["1", "2", "3"]
2 y = ["USA", "Japan", "Spain"]
3
4 for i in y:
5     for j in X:
6         print(type([tuple(i+j)]))
7
```

What is the error? Try to figure out in your mind...



STAY FOCUSED, write your response!

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Common Errors

- Remember, Python is a case-sensitive language :

```
1 x = ["1", "2", "3"]
2 y = ["USA", "Japan", "Spain"]
3
4 for i in y:
5     for j in X:
6         print(type([tuple(i+j)]))
7
```

case of "x" should be the same

Output

```
Traceback (most recent call last):
  File "code.py", line 5, in <module>
    for j in X:
NameError: name 'X' is not defined
```

CONVINCE YOURSELF

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THANKS!

End of the Lesson

(Errors)

next Lesson

Exceptions

click above

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Link(s) on this slide:

- <https://lms.clarusway.com/course/view.php?id=21§ion=4>

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