



Errors



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1

Introduction to Errors

What can you say about this lesson?

Summarize what you've learned from pre-class content.



Students, write your response!



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Introduction (review)

- ▶ Consider the following example :

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

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





Introduction (review)

- ▶ Consider the following example :


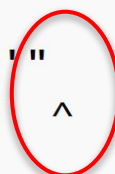

```
1 print("Don't say 'I never make a mistake'")
```

```
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
```



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.



2 Syntax Errors



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
```



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



3

Common Errors

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

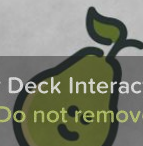


Students, write your response!



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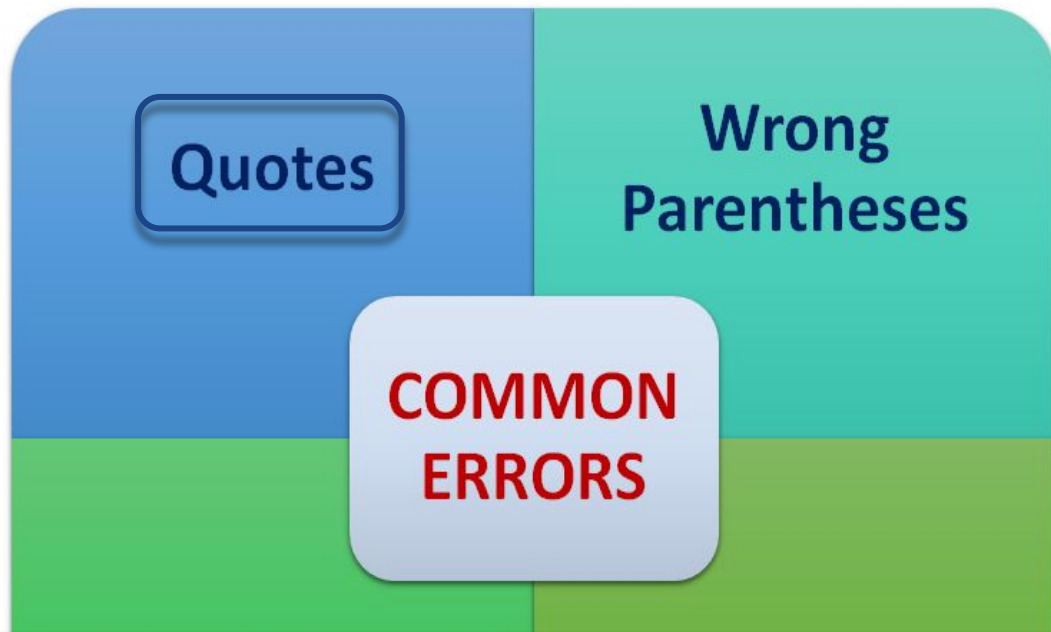


Common Errors (review)





Common Errors (review)



💡 Tips:

- Keep this simple advice in your mind; triple quotes for multi-line strings, double or single quotes for ordinary strings.



Common Errors (review)





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 (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

- ▶ 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...





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
```



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...





Common Errors

- Remember, Python is a case-sensitive language :

```
1 x = ["1", "2", "3"]
2 y = ["USA", "Japan", "India"]
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
```

THANKS!

End of the Lesson

(Errors)

next Lesson

Exceptions

click above

