

What is unbound local error in python?

Ad by Translated srl

Translation Services - 195 Languages, Delivery in 24h!

Professional translation by native speakers worldwide. Pay after delivery. Get an Instant Quote Now!

 Get Quote

All related (34) ▾

Sort

Recommended ▾



Sangamesh Somawar

I can code in more than 15 programming languages... · Author has **73** answers and **112K** answer views · 6y

⋮ ✕

See this code.

1. **`counter = 0`**
2. **`def increment():`**
3. **`counter += 1`**
4. **`increment()`**

Python doesn't have variable declarations, so it has to figure out the scope of variables itself. It does so by a simple rule: If there is an assignment to a variable inside a function, that variable is considered local. Thus, the line

`counter += 1`

implicitly makes counter local to increment(). Trying to execute this line, though, will try to read the value of the local variable counter before it is assigned, resulting in an UnboundLocalError.

To resolve this type of error make following changes.

1. **`counter = 0`**

Quora



Thanks, your feedback helps us show you content you care about. X

Sign In

4. **counter += 1**5. **increment()****All the Best...!**

10.5K views · View upvotes



8



1

**Translated srl**

Sponsored

Translation Services - 195 Languages, Delivery in 24h!

Professional translation by native speakers worldwide. Pay after delivery. Get an Instant Quote Now!



Get Quote



29



Related questions

More answers below

[How do I handle an unbound local error in Python?](#)[Which error is considered the most dangerous error in Python?](#)

Quora



Sign In

Thanks, your feedback helps us show you content you care about. X

What has to be done

How do I correct an unhashable error in Python?

**Andrew Droffner**Studied Mathematics at Rutgers University (Graduated 1995) · Author has **6.5K** answers and **3M** answer views · 3y

A **Python UnboundLocalError** [↗](#) is raised when a **local variable** is referenced before it has been assigned. This error is a subclass of the Python **NameError** [↗](#).

- [Python Exception Handling - UnboundLocalError](#) [↗](#)

The variable **unbound_var** below has never been **assigned a Python object**. The interpreter **raises UnboundLocalError** because it can't use any variable **not bound to an object**.

```
1 assigned_var = unbound_var + 12
```



2

**Formation**

We help exceptional engineers land life-changing roles. · Updated Jan 13



Promoted **What is the importance of data structures and algorithms when it comes to software engineering? Do most software engineering jobs require knowledge of these concepts?**

When presented with the words "data structures and algorithms", people often think that it's some fundamentally different skill than just plain old coding. In reality, data structures and algorithms are a way to build and test the most transferrable programming skills, as devoid of business context and domain-specific knowledge as possible.

To understand this, let's consider two problems:

- Return the top k elements in an array.
- Given a set of users, each with a certain number of points in a game, return the top 10 users ranked by points.

Continue Reading

If you consider these two problems, the first one is the typi



573



9



17

**Victor Phelemba**

Python Researcher at School of Rock (musical) (1920–present) · 3y



Check your scope/s, trace back the error where/if necessary.

Thanks, your feedback helps us show you content you care about. X



John Joyce

OS Build Engineer at Apple (company) (2007–present) · Author has **125** answers and **154.7K** answer views · 3y

UnboundLocalError is raised when a local variable is referenced before it has been assigned.

It is a subclass of NameError

It means you have an identifier you tried to access before it has been assigned or maybe declared.

One of the many woes of languages without weak typing semantics, multiple inheritance and no common base class or protocol.

There is too much reliance on Exceptions where introspection and compiler inference could be more informative before the code could run.

What you think you are saving in typing characters to have validation in your code, you pay for with stack traces.



1



Logan R. Kearsley

BS in CS and 12 years of work experience in programming. · Author has **8.3K** answers and **5.8M** answer views · 5y

Related **In Python, is there a way to run the code if an error is not raised?**

Originally Answered: In python, is there any way to only have the code run if an error is not raised?
Which code?

If you mean all of the code that *follows* a location where an error might occur... you just write it. Only running following code if an error is *not* raised is the default behavior in every language I know of with exception handling, including Python. All you have to do is *not* write an explicit exception handler, and code will automatically not run after an error occurs.



4



Sponsored by PureCare Knee Protector

Why are knee surgeons excited about this breakthrough knee strap?

Doctor-designed knee strap may transform your knees back to 20 years ago - claim your 50% discount today.

**Karthik Bankapur**

Btech ECE from Symbiosis Institute of Technology, Mulshi (Graduated 2022) · Author has **56** answers and **22.2K** answer views · 2y

Related What's wrong with my python code? Indent expected?

Whenever you write a for loop , while loop , define a function or a class, you are supposed to start the next line of code after an indent (4 spaces) , this basically specifies that the next line of code is a part of a function/for-loop/while-loop/class. In your case you didn't add any spaces and hence python threw an error "indent expected " as it was expecting one.



6



1

**Adarsh Maurya**

Decision Scientist at Mu Sigma (company) (2018–present) · 5y

Related What is the EOF error in the Python program?

Well, technically it is not an error, rather an exception. This exception is raised when one of the built-in function, most commonly

```
input()
```

returns End-Of-File(EOF) without reading any data. Sometimes all our program tries to do is to fetch something and modify it. But when it is unable to fetch, it will raise this exception.



17



1

**Rugved Modak**

Experienced in python · Author has **397** answers and **234.6K** answer views · 3y

Related What if you do not handle an error in the except block (Python)?

If you mean an error thrown in try block but nothing really done about it in except block, it shouldn't matter as long as further code doesn't need something from try block, like input when some input error is produced.

```
1 try:
2     # some code
3 except:
4     pass
```

If you mean an error thrown from code written in except block, put that code in a nested try except block.

```
1 try:
```

Quora

Sign In

Thanks, your feedback helps us show you content you care about. ✕

```
4 try:
5     # exception code
6 except:
7     # exception within except block
```



2

**Tony Flury**

...



Python s/w developer since 2011 - published since 2015 · Author has **12.3K** answers and **16.8M** answer views · 2y

Related **How do I fix the attribute error in Python?**

Identify why the attribute is giving the error, Did you spell the attribute name incorrectly for example ?

As with nearly all errors, a number of things could have caused the error that you see and without seeing your code and the exact error that you get (line number etc) it is impossible for anyone else to debug your code for you.



3

**Hilmar Zonneveld**

...



Translator (1985–present) · Author has **28.6K** answers and **5.6M** answer views · 1y

Related **What error should I raise in Python?**

That depends a lot on what you want to achieve. You can raise a generic error (usually "Exception"), but if the error you are checking for falls neatly into a certain category, you can use a more specific error. Or you can create your own error classes.



1

**Filip Molcan**

...



Amateur photographer and traveler. Leica lover. · 11y

Related **Are there any photography critique boards?**

Flickr.com can be good for start. But I can recommend to join your local photography club, that's the best thing you can do to get good feedback.

**Joseph Schachner**

...



Senior software engineer at Teledyne LeCroy · Author has **2.4K** answers and **3.4M** answer views · Oct 8

Related **What is an underflow error in Python?**

Quora

Sign In

Thanks, your feedback helps us show you content you care about. X







Related questions

[How do I handle an unbound local error in Python?](#)

[Which error is considered the most dangerous error in Python?](#)

[What is the invalid literal for an 'int' error in Python?](#)

[What has to be done for an attribute error in Python?](#)

[How do I correct an unhashable error in Python?](#)

[What is an error in Python?](#)

[What are errors in python program in description?Please help?](#)

Quora

Sign In

Thanks, your feedback helps us show you content you care about. ✕

[How do I fix this](#)["Python" what is causing the error ?](#)[What is wrong with a code error in Python?](#)[What does the name error in Python mean?](#)[What is the difference between 'bound' and 'unbound' in Python?](#)[What error should I raise in Python?](#)[What does the error "return outside function" mean in Python?](#)[About](#) · [Careers](#) · [Privacy](#) · [Terms](#) · [Contact](#) · [Languages](#) · [Your Ad Choices](#) · [Press](#) · © Quora, Inc. 2023