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## local variable referenced before assignment with try and except statement [duplicate]

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[local variable 'servers' referenced before assignment](#) 2 answers

I'm having some issues with the try and except statements, I have an entry widget that takes input in strings but I have code which converts it to a integer later, problem is if the user inputs something like text it throws an error like this:

```
Exception in Tkinter callback
Traceback (most recent call last):
  File "/usr/lib/python3.2/tkinter/__init__.py", line 1402, in __call__
    return self.func(*args)
  File "/home/ppppwn3d/workspace/Python/JailBreakBob/JailBreakBob.py", line 157, in buttonclick_gamescreen
    entryx = int(e1.get())
ValueError: invalid literal for int() with base 10: 'abc'
```

So I wanted to hide the error with the try and except statements but I now get another error message.

This is what it looks like in the code.

```
while pressed == 8 :
    try:
        entryx = int(e1.get())
        entryy = int(e2.get())
    except ValueError:
        print("text")

    answerx = answerlistx[randomimage]
    answey = answerlisty[randomimage]

    if entryx == answerx and entryy == answey:
        canvas.delete(images)
        randomimage = random.randrange(0,49+1)
        scorecounter = scorecounter + 1
        game = PhotoImage(file=imagelist[randomimage])
        images = canvas.create_image(30, 65, image = game, anchor = NW)
        e1.delete(0, END)
        e2.delete(0, END)
        pressed = ''
    if entryx > 10 or entryx < -10 or entryy > 10 or entryy < -10 :
        wrong = canvas.create_image(30, 65, image = outside, anchor = NW)
        e1.delete(0, END)
        e2.delete(0, END)
        pressed = ''
    else:
        wrong = canvas.create_image(30, 65, image = incorrect, anchor = NW)
        e1.delete(0, END)
        e2.delete(0, END)
        pressed = ''
```

The new error message:

```
text
Exception in Tkinter callback
Traceback (most recent call last):
  File "/usr/lib/python3.2/tkinter/__init__.py", line 1402, in __call__
    return self.func(*args)
  File "/home/ppppwn3d/workspace/Python/JailBreakBob/JailBreakBob.py", line 165, in buttonclick_gamescreen
    if entryx == answerx and entryy == answey:
UnboundLocalError: local variable 'entryx' referenced before assignment
```

I can't figure out why this is happening and how to fix it so any help would be appreciated.

Thanks in advance.

edited Aug 11 '13 at 10:00



[Lennart Regebro](#)

68.5k ● 15 ● 115 ● 192

asked Aug 11 '13 at 9:52



[ThatsNotMyName](#)

121 ● 3 ● 14

marked as duplicate by [Lennart Regebro](#), [Junuxx](#), [Mena](#), [Antti Haapala](#), [Dirk](#) Aug 11 '13 at 11:40

This question has been asked before and already has an answer. If those answers do not fully address your question, please [ask a new question](#).

## 4 Answers

If there is an exception in your `try/except` block, there wouldn't be `entryx` and `entryy` variables defined in the scope.

You should either throw an error and exit the program or assign `entryx` and `entryy` default values in the `except` block.

Also, you can make a while loop until the user enters an integer like it was suggested [here](#).

answered Aug 11 '13 at 9:55



[alecxe](#)

175k ● 27 ● 181 ● 316



To add to [@alecxe's answer](#), I would rather modify the program like so:

```
entryx, entryy = 0, 0
try:
    entryx = int(e1.get())
    entryy = int(e2.get())
except ValueError:
    print("text")
```

Basically, what the error means is that in case of an error, `entryx`, `entryy` never get assigned anything, but still get referenced later in the `if..else` check.

It's best to have default values for the variables outside of the `try..except` block.

answered Aug 11 '13 at 10:00



[Karan Goel](#)

2,497 ● 4 ● 11 ● 32

you can see 'text' message.

so, exception was raised and entryx wasn't initialized.

that's why you've got:

```
local variable 'entryx' referenced before assignment
```

answered Aug 11 '13 at 9:56



[Marcin Fabrykowski](#)

423 ● 2 ● 6

I would initialise answerx, answery with None before try block starts.

answered Aug 11 '13 at 10:04



[jentyk](#)

301 ● 1 ● 8