

Opseg promenljivih

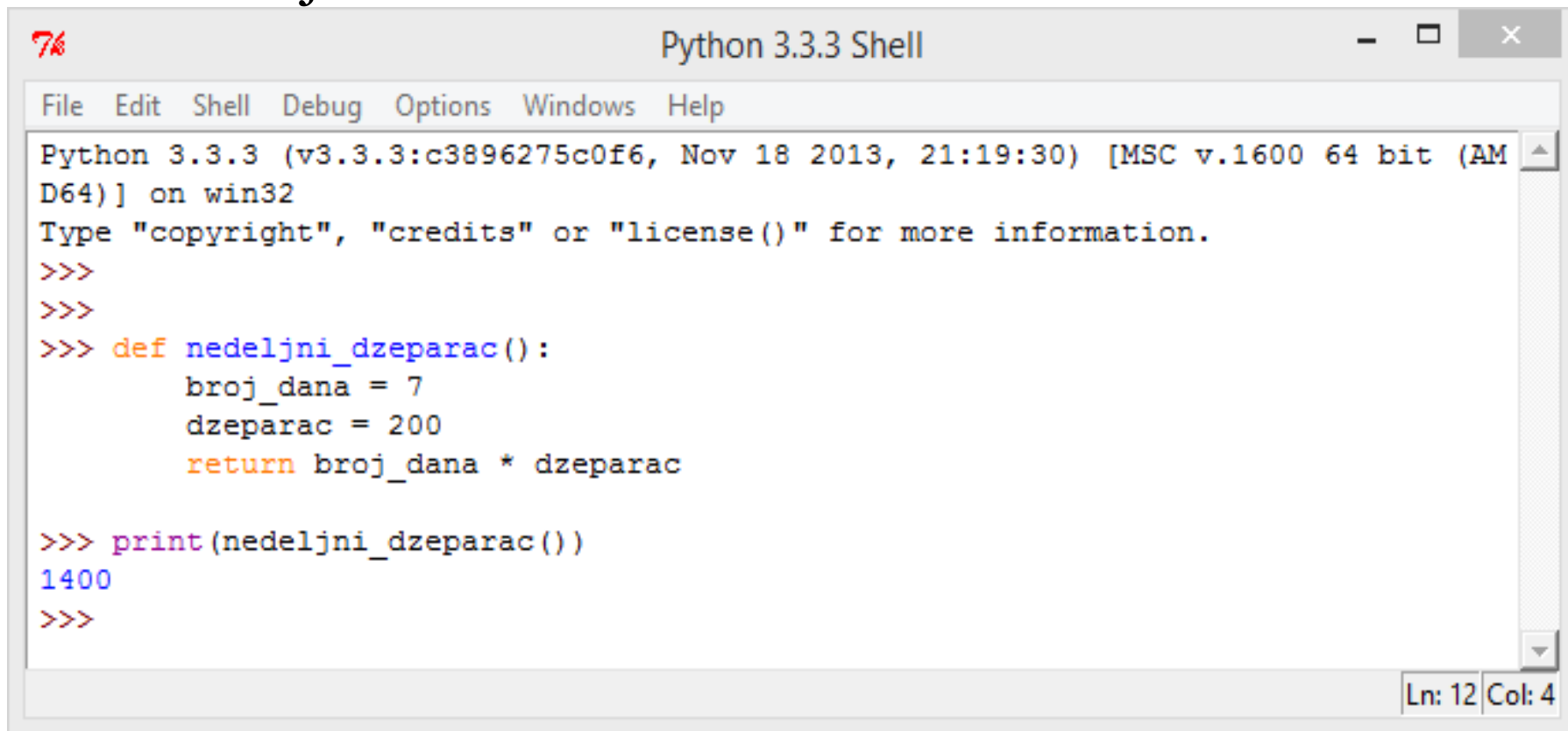
A series of horizontal lines in teal and light blue colors, extending across the width of the slide below the title.

Promenljive i opseg promenljivih

- Promenljiva koja se nalazi unutar tela funkcije ne može se koristiti ponovo nakon što je funkcija završila sa radom zato što promenljiva postoji samo u okviru te funkcije.
- U programiranju to se naziva opseg (vidljivost) promenljive

Opseg promenljivih

- Napravimo funkciju nedeljni_dzeparac koja množi dve promenljive (broj_dana i dzeparac) i vraća rezultat množenja.

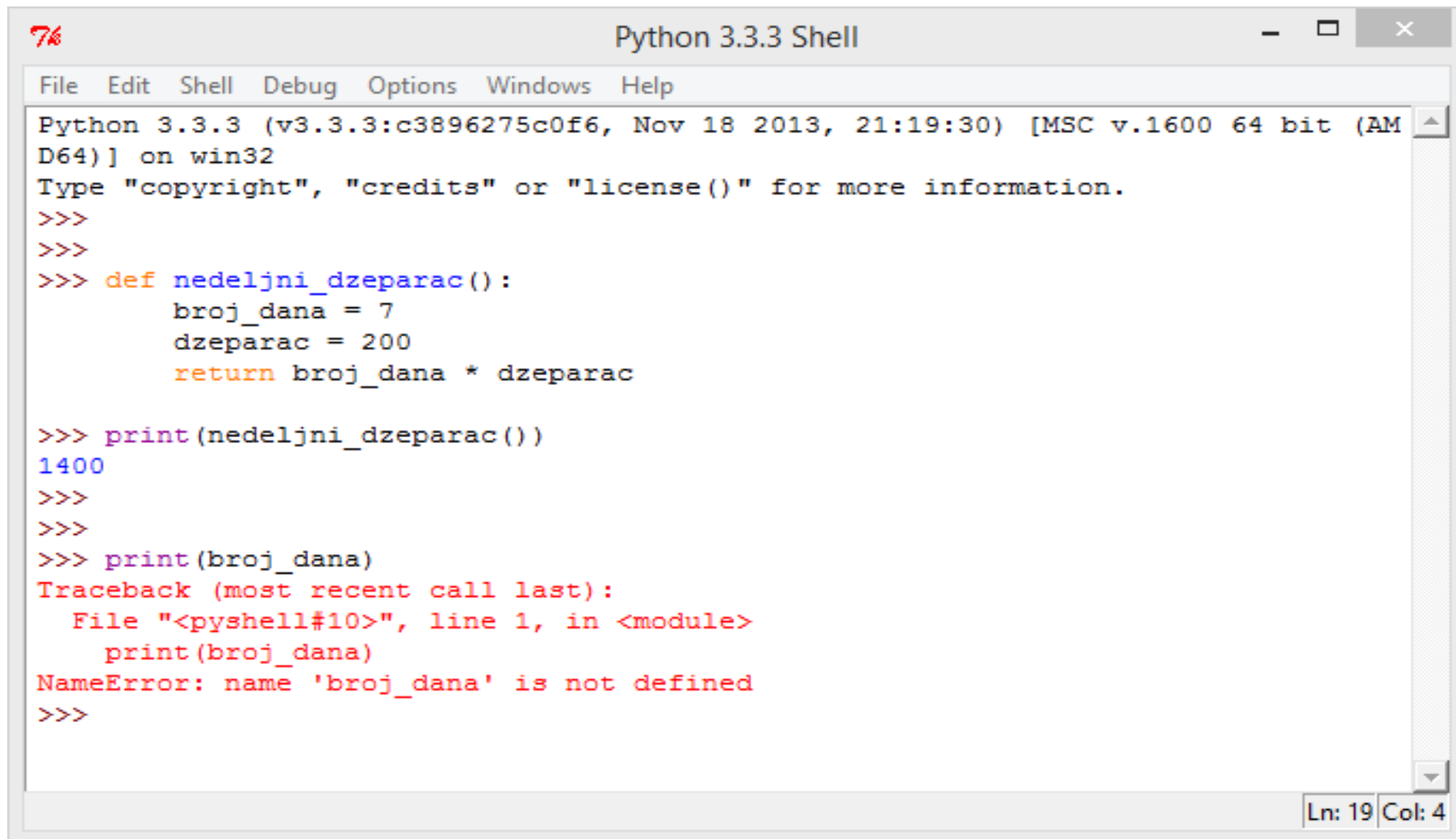


```
Python 3.3.3 Shell
File Edit Shell Debug Options Windows Help
Python 3.3.3 (v3.3.3:c3896275c0f6, Nov 18 2013, 21:19:30) [MSC v.1600 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
>>>
>>> def nedeljni_dzeparac():
    broj_dana = 7
    dzeparac = 200
    return broj_dana * dzeparac

>>> print(nedeljni_dzeparac())
1400
>>>
```

Ln: 12 Col: 4

Opseg promenljivih



The screenshot shows a Python 3.3.3 Shell window with a menu bar (File, Edit, Shell, Debug, Options, Windows, Help) and a title bar (Python 3.3.3 Shell). The shell displays the following text:

```
Python 3.3.3 (v3.3.3:c3896275c0f6, Nov 18 2013, 21:19:30) [MSC v.1600 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
>>>
>>> def nedeljni_dzeparac():
    broj_dana = 7
    dzeparac = 200
    return broj_dana * dzeparac

>>> print(nedeljni_dzeparac())
1400
>>>
>>>
>>> print(broj_dana)
Traceback (most recent call last):
  File "<pyshell#10>", line 1, in <module>
    print(broj_dana)
NameError: name 'broj_dana' is not defined
>>>
```

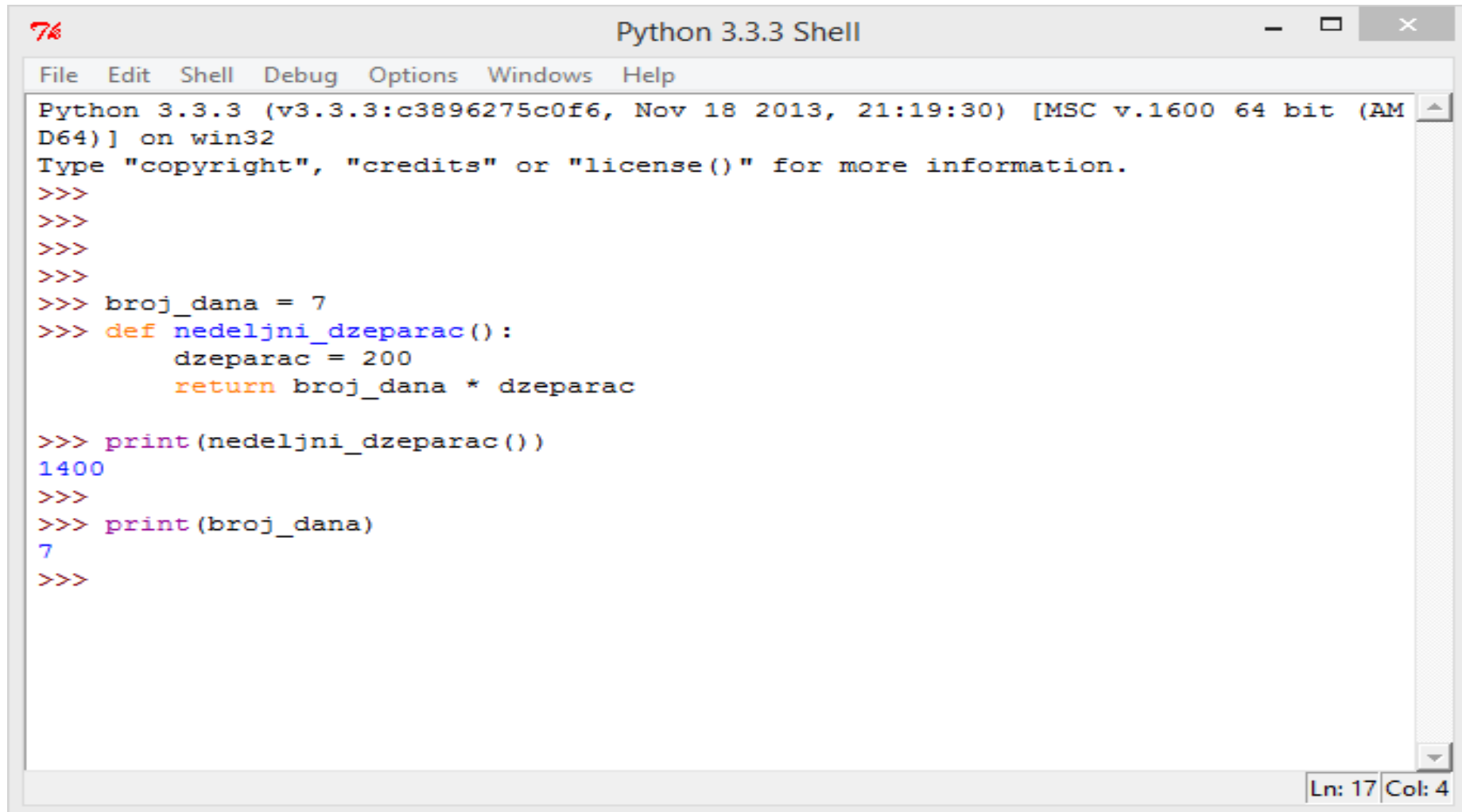
The error message indicates that the variable `broj_dana` is not defined in the current scope, even though it was defined inside the `nedeljni_dzeparac` function. This demonstrates the concept of variable scope in Python.

Ln: 19 Col: 4

Opseg promenljivih

- ako promenjivu definišemo van naše funkcije, ona ima drugačiji opseg.
- Na primer, ako promenjivu **broj_dana** definišemo van funkcije **nedeljni_dzeparac** i ako pokušamo da oštampamo tu promenjivu dobićemo njenu vrednost.
- Tako deklarisanе promenjive se nazivaju **globalne promenjive** i one su vidljive u okviru jedne ili više funkcija, kao i izvan njih.

Opseg promenljivih



The image shows a screenshot of a Python 3.3.3 Shell window. The window has a title bar with the text "Python 3.3.3 Shell" and standard window controls (minimize, maximize, close). Below the title bar is a menu bar with the following items: File, Edit, Shell, Debug, Options, Windows, and Help. The main area of the window contains a text editor with the following code:

```
Python 3.3.3 (v3.3.3:c3896275c0f6, Nov 18 2013, 21:19:30) [MSC v.1600 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
>>>
>>>
>>>
>>> broj_dana = 7
>>> def nedeljni_dzeparac():
>>>     dzeparac = 200
>>>     return broj_dana * dzeparac

>>> print(nedeljni_dzeparac())
1400
>>>
>>> print(broj_dana)
7
>>>
```

At the bottom right of the window, there is a status bar showing "Ln: 17" and "Col: 4".