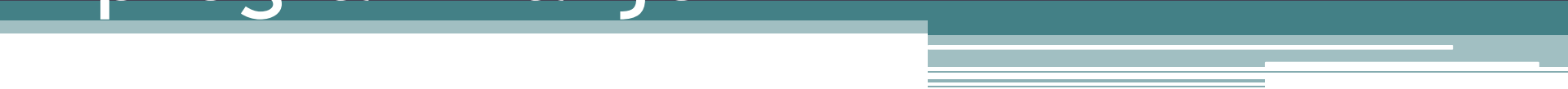
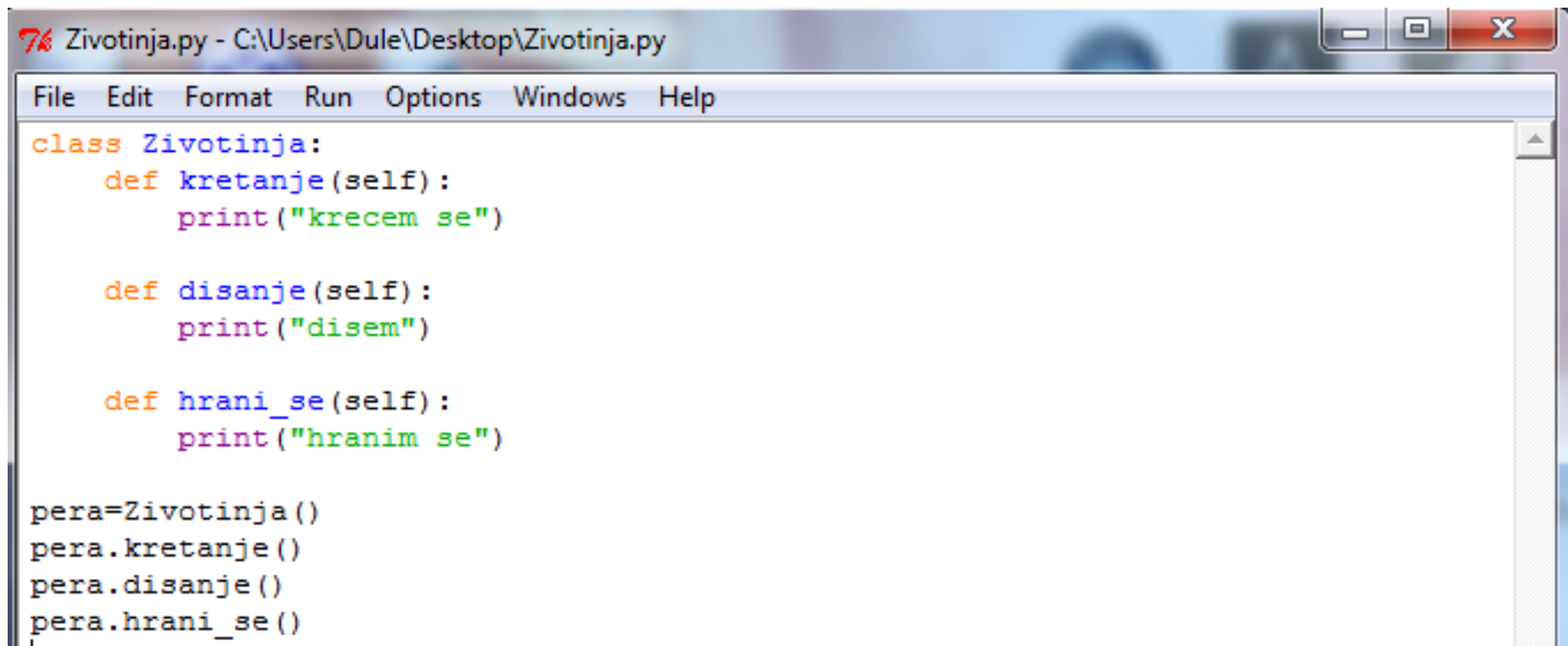


Objektno orjentisano programiranje

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

Primer 1



A screenshot of a Python IDE window titled "Zivotinja.py - C:\Users\Dule\Desktop\Zivotinja.py". The window has a menu bar with "File", "Edit", "Format", "Run", "Options", "Windows", and "Help". The code editor displays the following Python code:

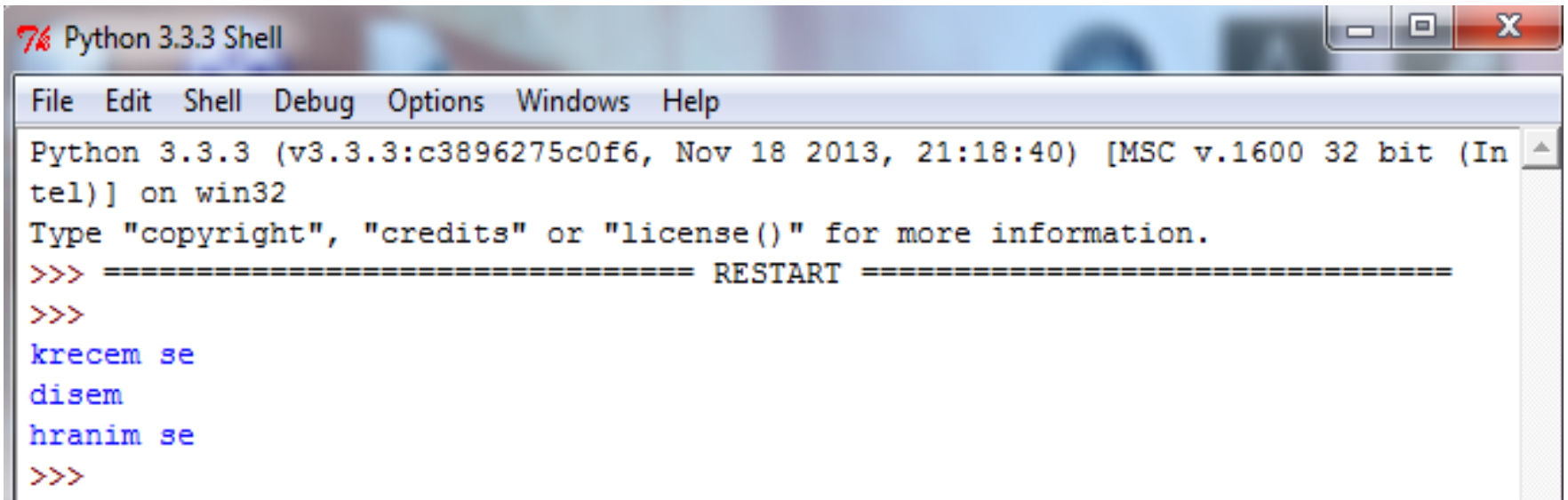
```
class Zivotinja:
    def kretanje(self):
        print("krecem se")

    def disanje(self):
        print("disem")

    def hrani_se(self):
        print("hranim se")

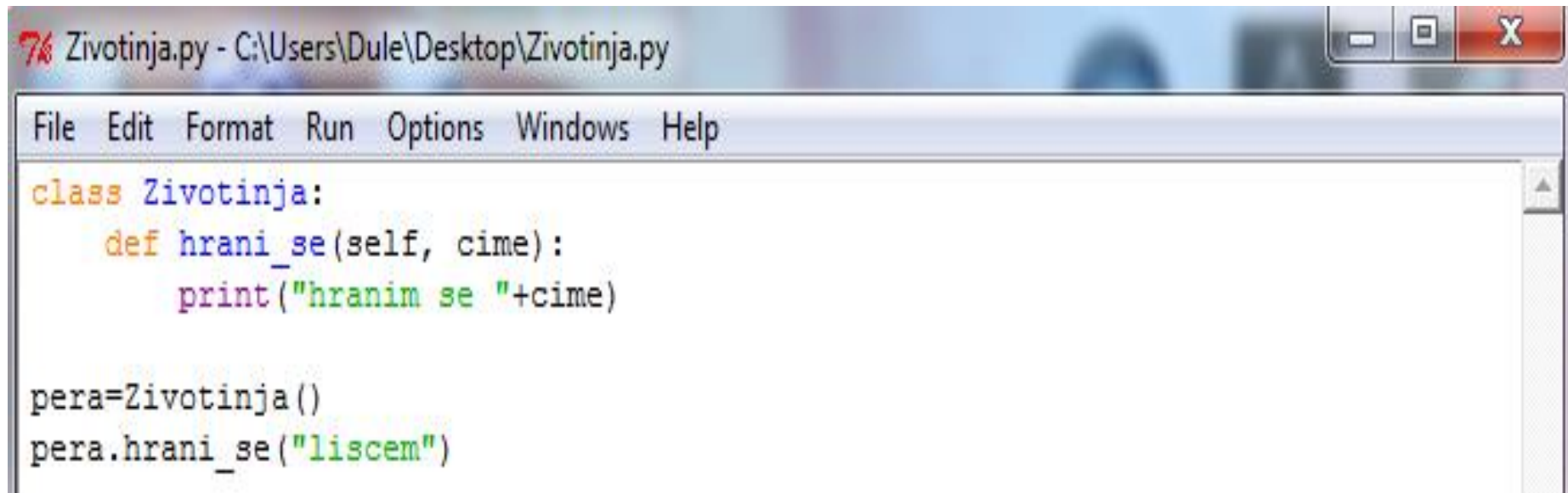
pera=Zivotinja()
pera.kretanje()
pera.disanje()
pera.hrani_se()
```

Primer 1



```
Python 3.3.3 Shell
File Edit Shell Debug Options Windows Help
Python 3.3.3 (v3.3.3:c3896275c0f6, Nov 18 2013, 21:18:40) [MSC v.1600 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>> ===== RESTART =====
>>>
krecem se
disem
hranim se
>>>
```

Primer 2

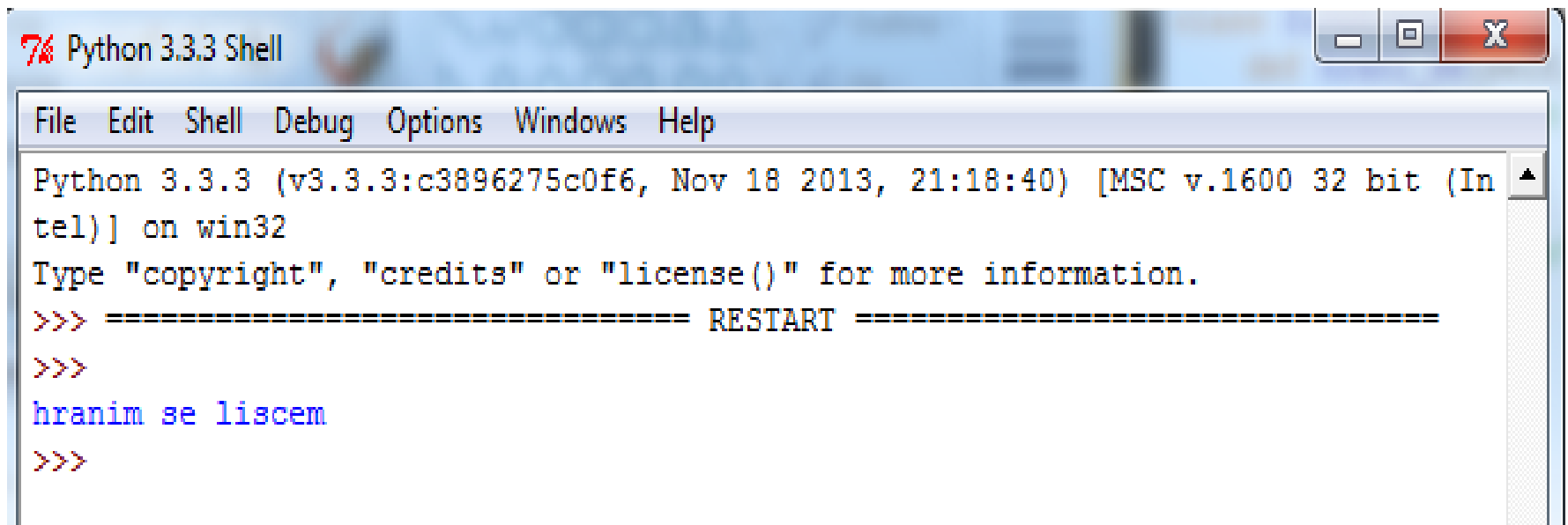


The image shows a screenshot of a Python IDE window titled "Zivotinja.py - C:\Users\Dule\Desktop\Zivotinja.py". The window has a menu bar with "File", "Edit", "Format", "Run", "Options", "Windows", and "Help". The code editor contains the following Python code:

```
class Zivotinja:
    def hrani_se(self, cime):
        print("hranim se "+cime)

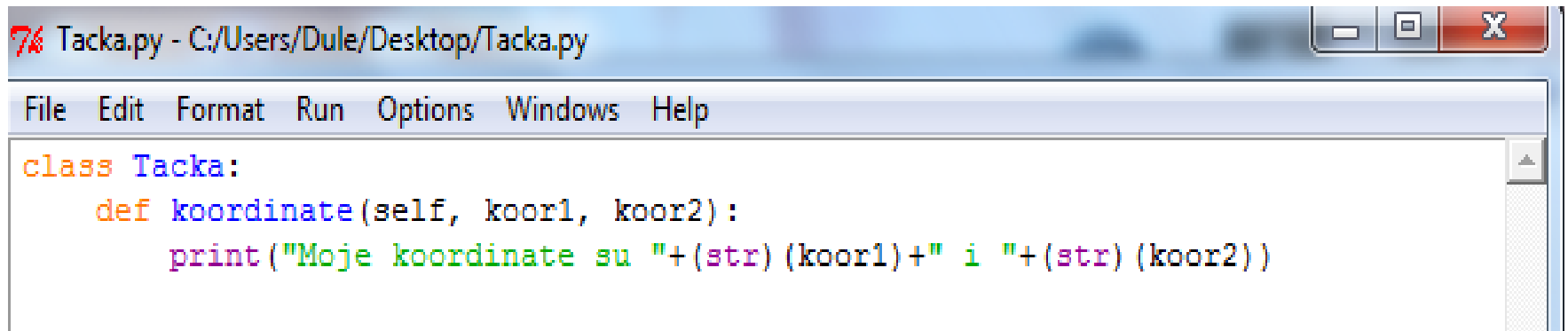
pera=Zivotinja()
pera.hrani_se("liscem")
```

Primer 2



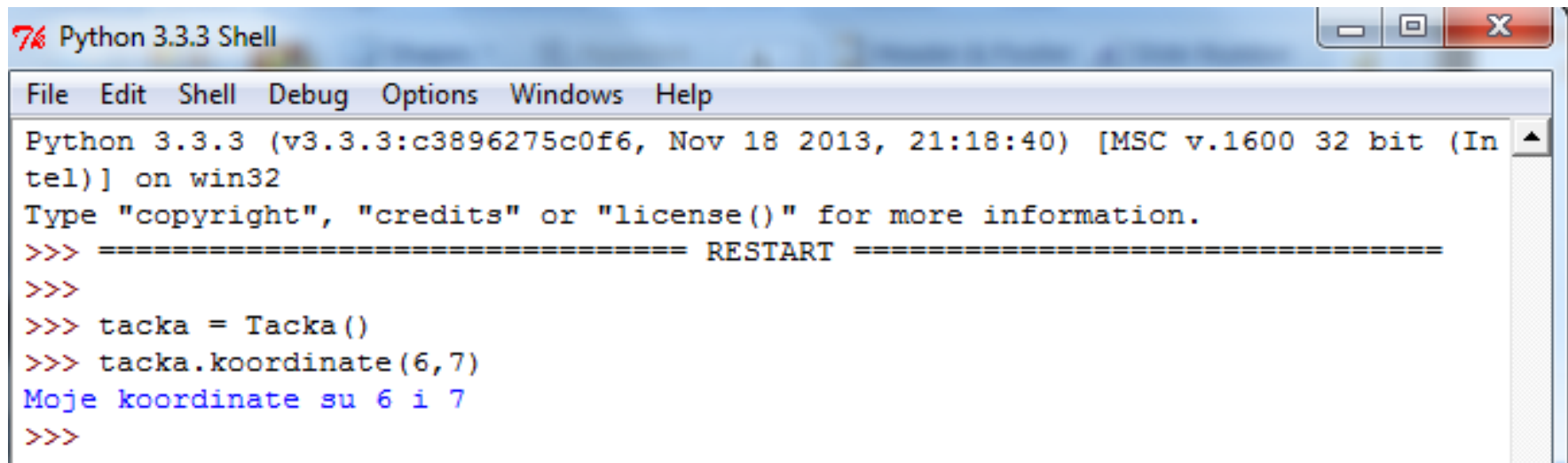
```
Python 3.3.3 Shell
File Edit Shell Debug Options Windows Help
Python 3.3.3 (v3.3.3:c3896275c0f6, Nov 18 2013, 21:18:40) [MSC v.1600 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>> ===== RESTART =====
>>>
hranim se liscem
>>>
```

Primer 3



```
Tacka.py - C:/Users/Dule/Desktop/Tacka.py
File Edit Format Run Options Windows Help

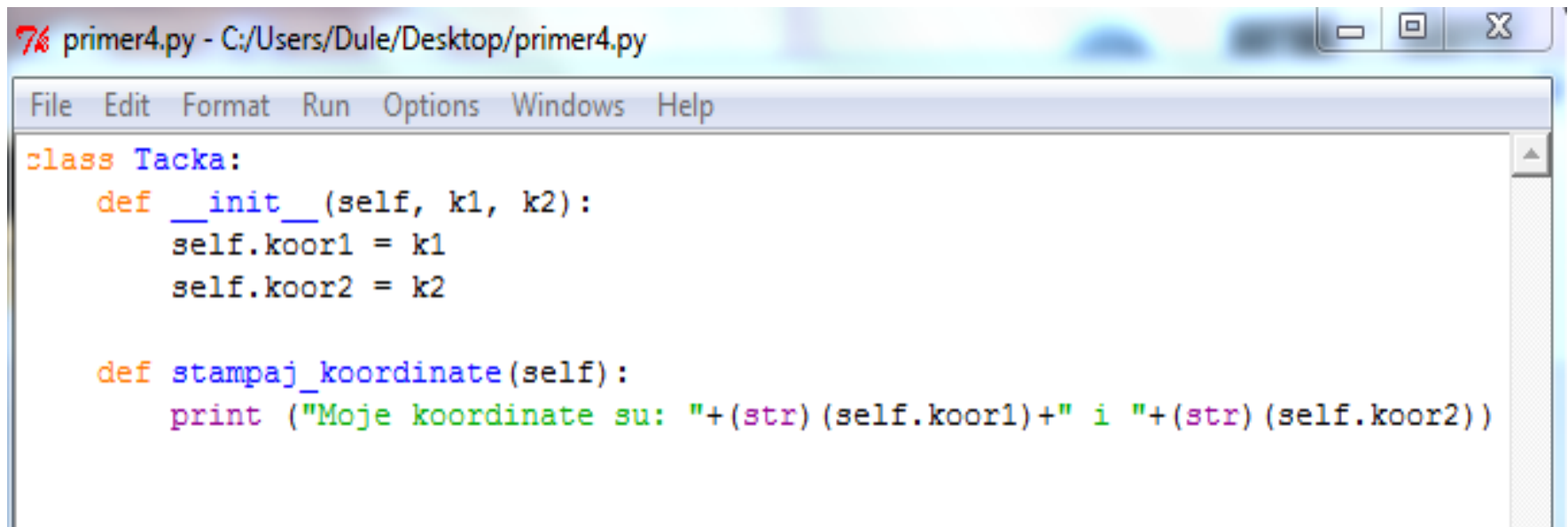
class Tacka:
    def koordinate(self, koor1, koor2):
        print("Moje koordinate su " + (str) (koor1) + " i " + (str) (koor2))
```



```
Python 3.3.3 Shell
File Edit Shell Debug Options Windows Help

Python 3.3.3 (v3.3.3:c3896275c0f6, Nov 18 2013, 21:18:40) [MSC v.1600 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>> ===== RESTART =====
>>>
>>> tacka = Tacka()
>>> tacka.koordinate(6,7)
Moje koordinate su 6 i 7
>>>
```

Primer 4

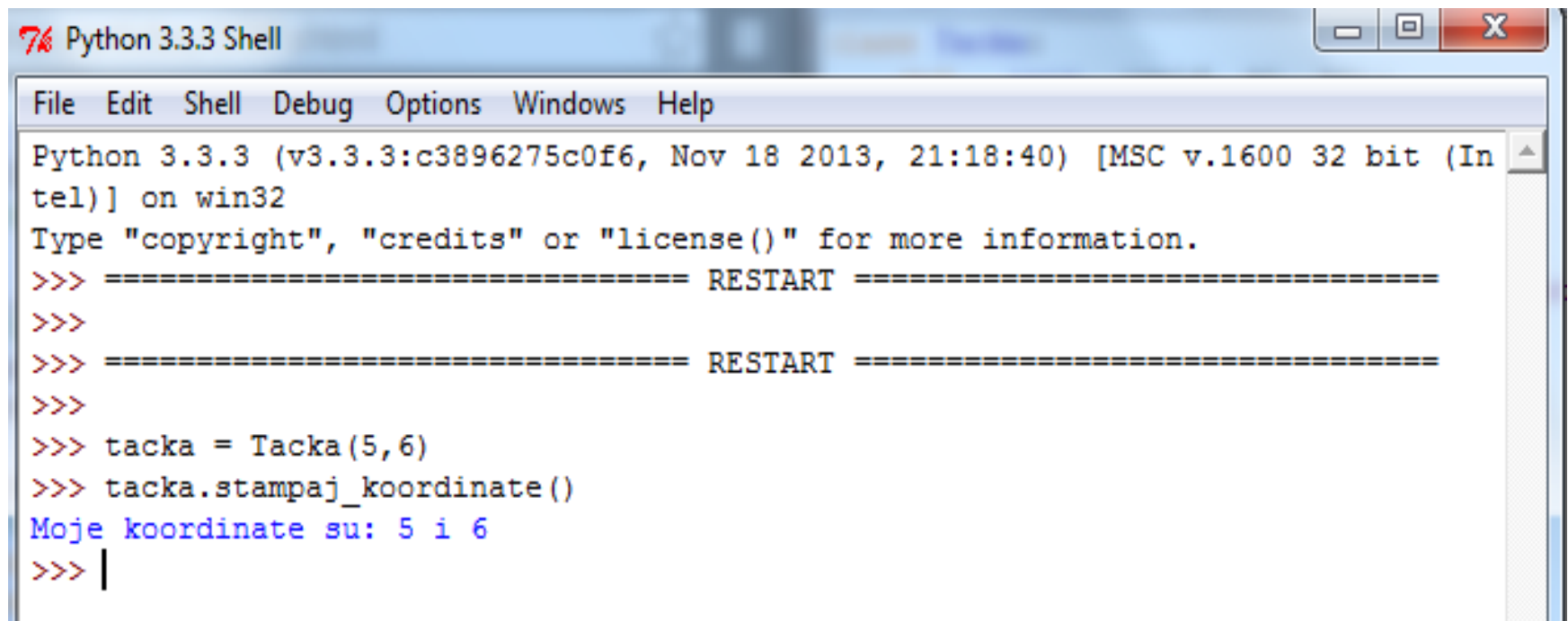


The image shows a screenshot of a Python IDE window. The title bar reads "7% primer4.py - C:/Users/Dule/Desktop/primer4.py". The menu bar includes "File", "Edit", "Format", "Run", "Options", "Windows", and "Help". The code editor contains the following Python code:

```
class Tacka:
    def __init__(self, k1, k2):
        self.koor1 = k1
        self.koor2 = k2

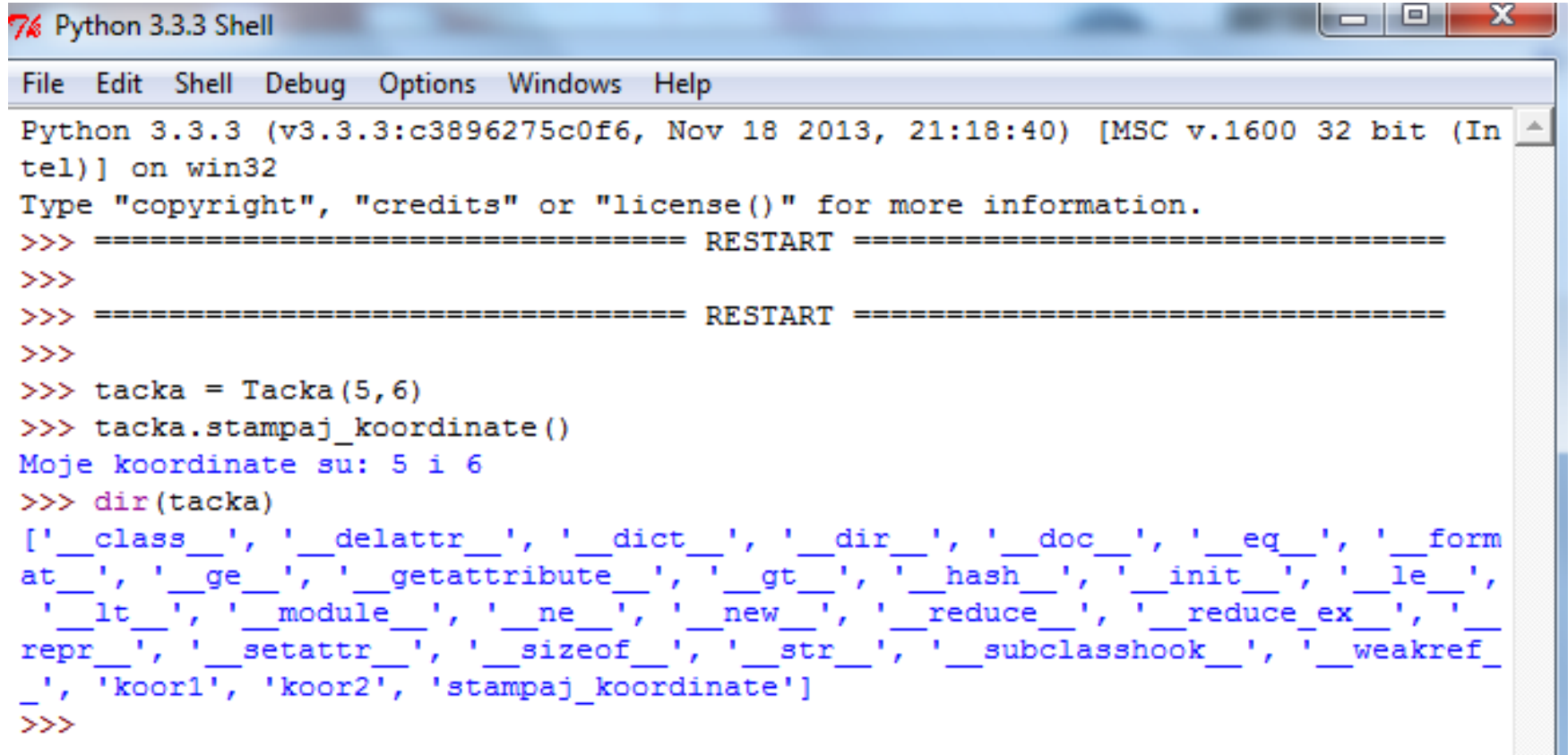
    def stampaj_koordinate(self):
        print ("Moje koordinate su: " + (str) (self.koor1) + " i " + (str) (self.koor2))
```

Primer 4



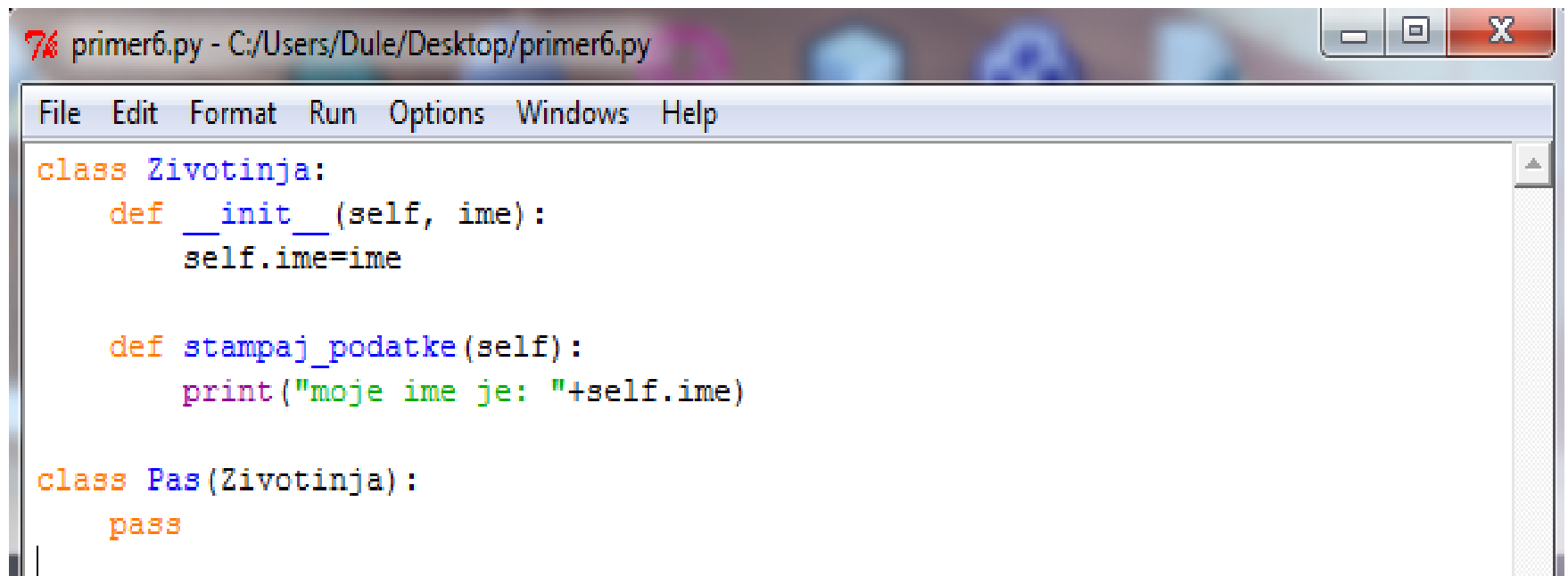
```
Python 3.3.3 Shell
File Edit Shell Debug Options Windows Help
Python 3.3.3 (v3.3.3:c3896275c0f6, Nov 18 2013, 21:18:40) [MSC v.1600 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>> ===== RESTART =====
>>>
>>> ===== RESTART =====
>>>
>>> tacka = Tacka(5,6)
>>> tacka.stampaj_koordinate()
Moje koordinate su: 5 i 6
>>> |
```

Primer 5



```
Python 3.3.3 Shell
File Edit Shell Debug Options Windows Help
Python 3.3.3 (v3.3.3:c3896275c0f6, Nov 18 2013, 21:18:40) [MSC v.1600 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>> ===== RESTART =====
>>>
>>> ===== RESTART =====
>>>
>>> tacka = Tacka(5,6)
>>> tacka.stampaj_koordinate()
Moje koordinate su: 5 i 6
>>> dir(tacka)
['__class__', '__delattr__', '__dict__', '__dir__', '__doc__', '__eq__', '__format__', '__ge__', '__getattribute__', '__gt__', '__hash__', '__init__', '__le__', '__lt__', '__module__', '__ne__', '__new__', '__reduce__', '__reduce_ex__', '__repr__', '__setattr__', '__sizeof__', '__str__', '__subclasshook__', '__weakref__', 'koor1', 'koor2', 'stampaj_koordinate']
>>>
```

Primer 6



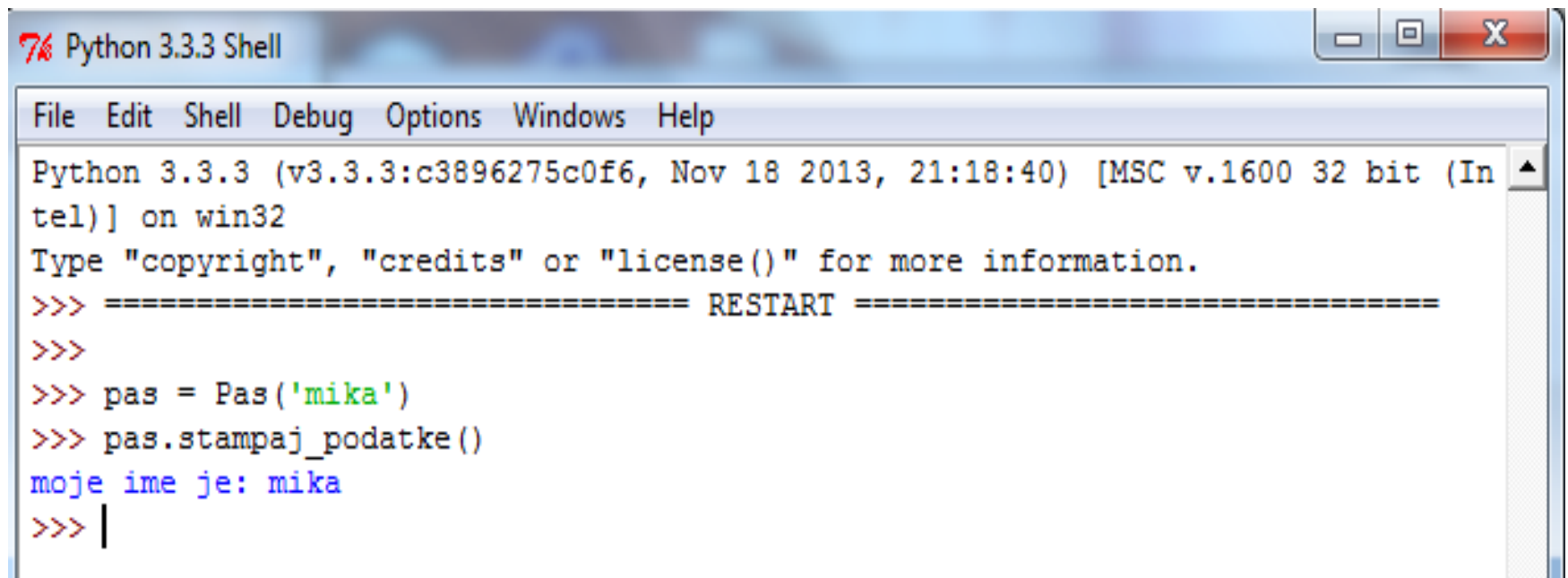
The image shows a screenshot of a Python IDE window. The title bar reads "74 primer6.py - C:/Users/Dule/Desktop/primer6.py". The menu bar includes "File", "Edit", "Format", "Run", "Options", "Windows", and "Help". The code editor contains the following Python code:

```
class Zivotinja:
    def __init__(self, ime):
        self.ime=ime

    def stampaj_podatke(self):
        print("moje ime je: "+self.ime)

class Pas(Zivotinja):
    pass
```

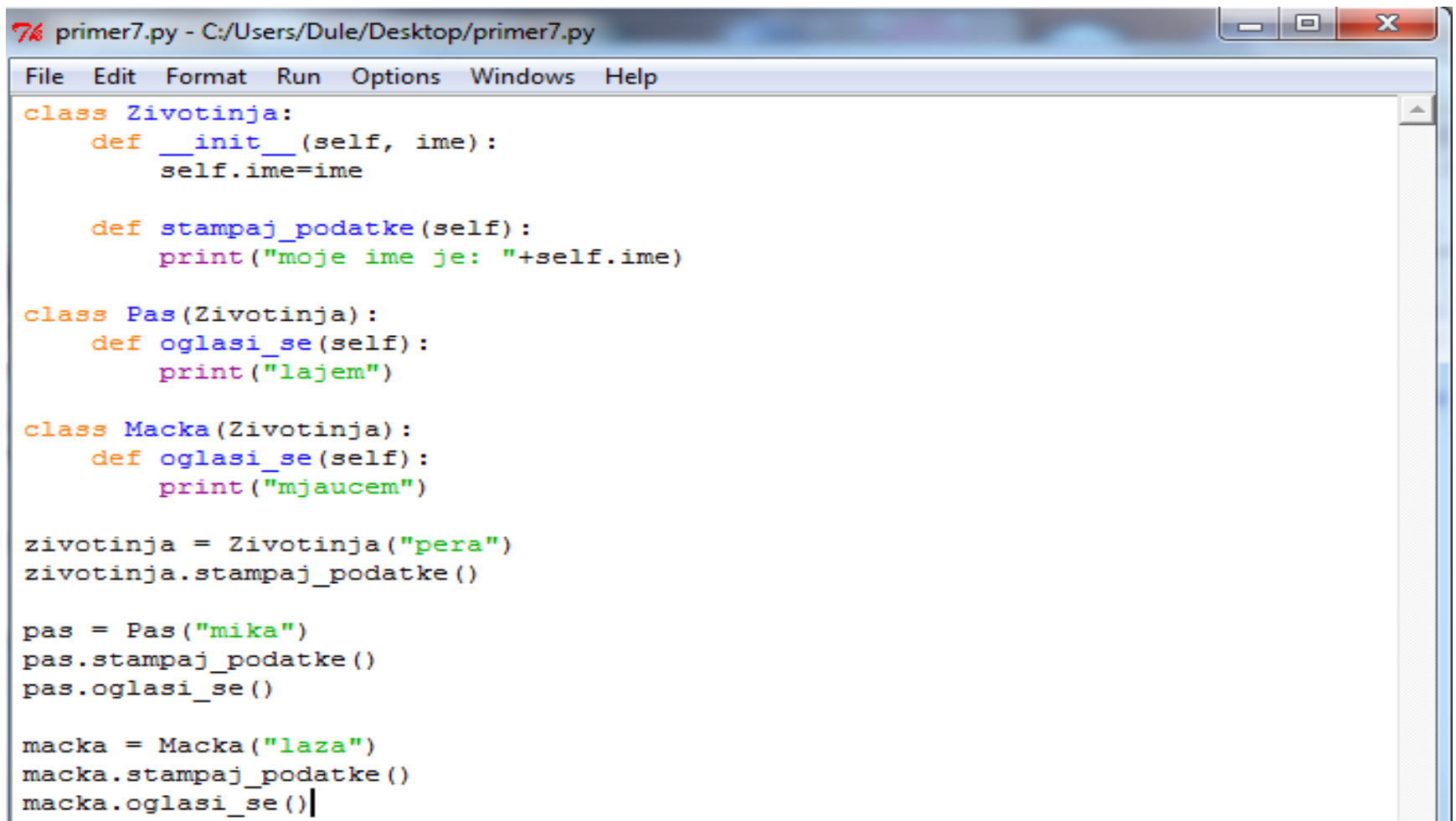
Primer 6



A screenshot of a Python 3.3.3 Shell window. The window has a title bar with a red icon and the text "Python 3.3.3 Shell". Below the title bar is a menu bar with "File", "Edit", "Shell", "Debug", "Options", "Windows", and "Help". The main text area shows the following output:

```
Python 3.3.3 (v3.3.3:c3896275c0f6, Nov 18 2013, 21:18:40) [MSC v.1600 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>> ===== RESTART =====
>>>
>>> pas = Pas('mika')
>>> pas.stampaj_podatke()
moje ime je: mika
>>> |
```

Primer 7

A screenshot of a Python IDE window titled 'primer7.py - C:/Users/Dule/Desktop/primer7.py'. The window has a menu bar with 'File', 'Edit', 'Format', 'Run', 'Options', 'Windows', and 'Help'. The code is written in Python and defines a base class 'Zivotinja' and two subclasses, 'Pas' and 'Macka'. The 'Zivotinja' class has an '__init__' method that sets 'self.ime' and a 'stampaj_podatke' method that prints the name. 'Pas' and 'Macka' inherit from 'Zivotinja' and override the 'oglasise' method to print 'lajem' and 'mjaucem' respectively. At the bottom, three objects are instantiated: 'zivotinja' (a 'Zivotinja' with name 'pera'), 'pas' (a 'Pas' with name 'mika'), and 'macka' (a 'Macka' with name 'laza'). Each object has its data printed using the 'stampaj_podatke' method, followed by the 'oglasise' method call.

```
7 primer7.py - C:/Users/Dule/Desktop/primer7.py
File Edit Format Run Options Windows Help

class Zivotinja:
    def __init__(self, ime):
        self.ime=ime

    def stampaj_podatke(self):
        print("moje ime je: "+self.ime)

class Pas(Zivotinja):
    def oglasise(self):
        print("lajem")

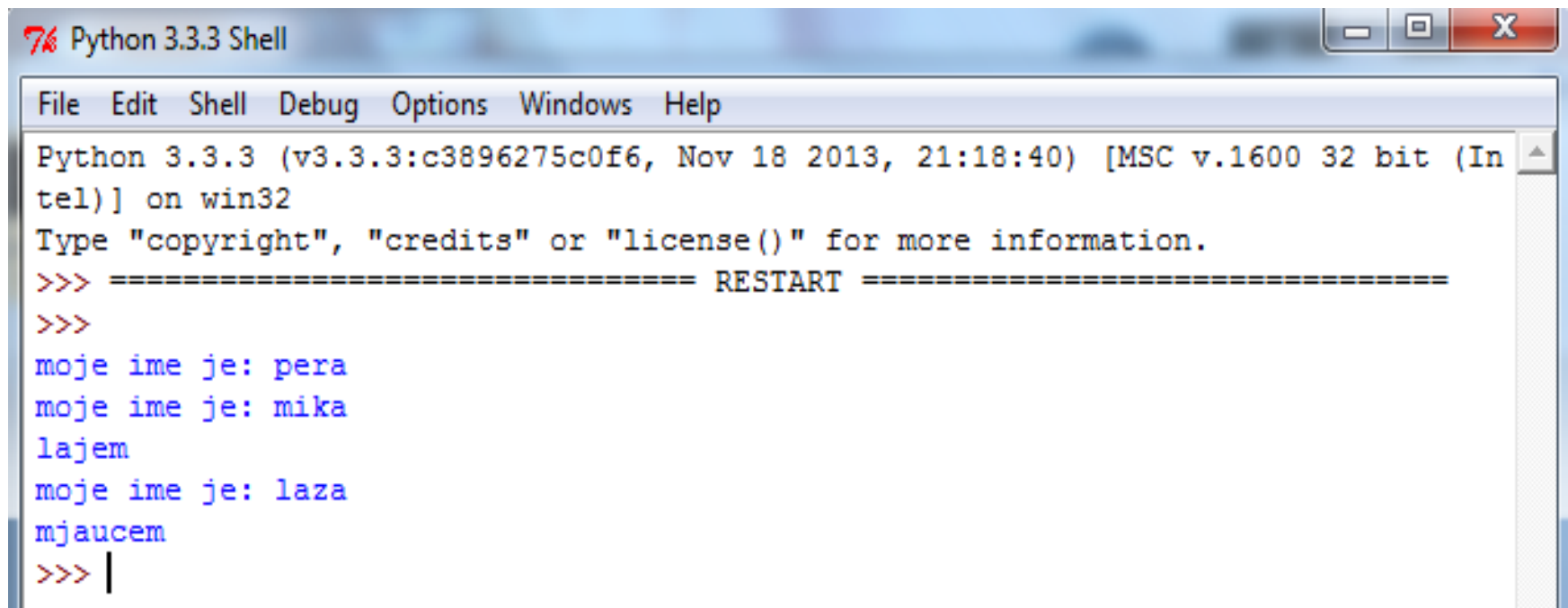
class Macka(Zivotinja):
    def oglasise(self):
        print("mjaucem")

zivotinja = Zivotinja("pera")
zivotinja.stampaj_podatke()

pas = Pas("mika")
pas.stampaj_podatke()
pas.oglasise()

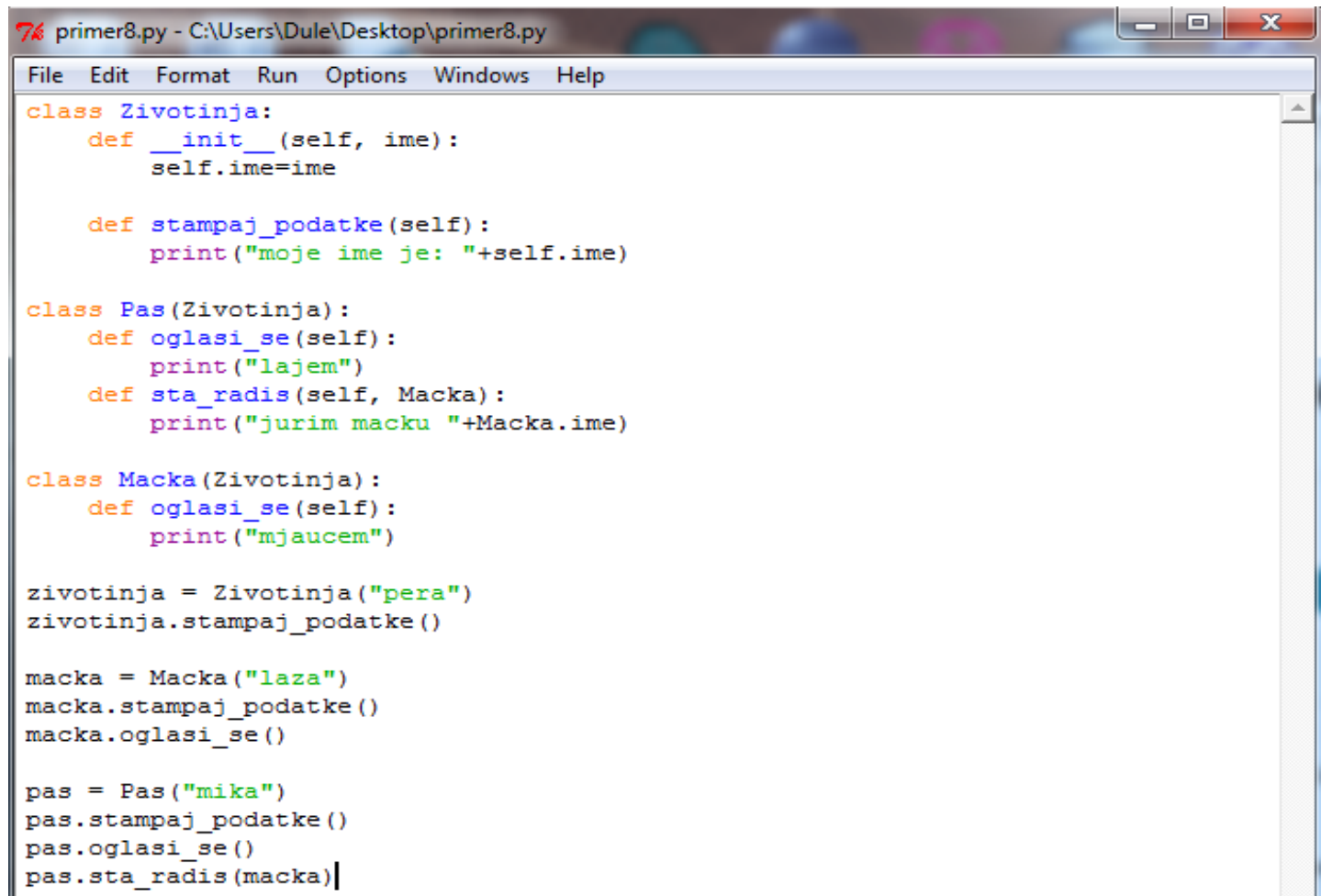
macka = Macka("laza")
macka.stampaj_podatke()
macka.oglasise()
```

Primer 7



```
Python 3.3.3 Shell
File Edit Shell Debug Options Windows Help
Python 3.3.3 (v3.3.3:c3896275c0f6, Nov 18 2013, 21:18:40) [MSC v.1600 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>> ===== RESTART =====
>>>
moje ime je: pera
moje ime je: mika
lajem
moje ime je: laza
mjaucem
>>> |
```

Primer 8



```
primer8.py - C:\Users\Dule\Desktop\primer8.py
File Edit Format Run Options Windows Help

class Zivotinja:
    def __init__(self, ime):
        self.ime=ime

    def stampaj_podatke(self):
        print("moje ime je: "+self.ime)

class Pas(Zivotinja):
    def oglasi_se(self):
        print("lajem")
    def sta_radis(self, Macka):
        print("jurim macku "+Macka.ime)

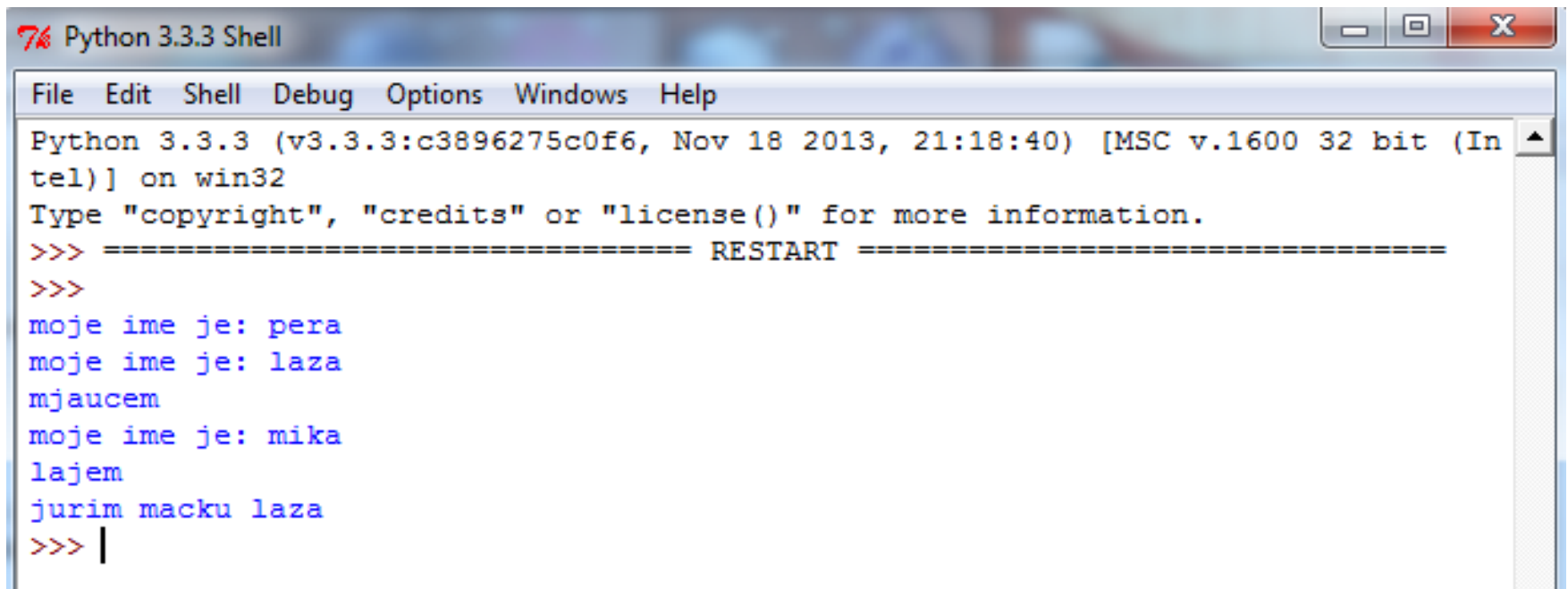
class Macka(Zivotinja):
    def oglasi_se(self):
        print("mjaucem")

zivotinja = Zivotinja("pera")
zivotinja.stampaj_podatke()

macka = Macka("laza")
macka.stampaj_podatke()
macka.oglasise()

pas = Pas("mika")
pas.stampaj_podatke()
pas.oglasise()
pas.sta_radis(macka)
```

Primer 8

A screenshot of a Python 3.3.3 Shell window. The window has a title bar with a red icon and the text "Python 3.3.3 Shell". Below the title bar is a menu bar with "File", "Edit", "Shell", "Debug", "Options", "Windows", and "Help". The main area shows the Python version and build information: "Python 3.3.3 (v3.3.3:c3896275c0f6, Nov 18 2013, 21:18:40) [MSC v.1600 32 bit (Intel)] on win32". It then prompts the user to type "copyright", "credits", or "license()" for more information. After a prompt "RESTART", the user enters a script: "moje ime je: pera", "moje ime je: laza", "mjaucem", "moje ime je: mika", "lajem", and "jurim macku laza". The prompt "RESTART" is followed by a line of dashes. The user's input is shown in blue text, and the prompt "RESTART" is in red text. The cursor is at the end of the last line of input.

```
Python 3.3.3 Shell
File Edit Shell Debug Options Windows Help
Python 3.3.3 (v3.3.3:c3896275c0f6, Nov 18 2013, 21:18:40) [MSC v.1600 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>> ===== RESTART =====
>>>
moje ime je: pera
moje ime je: laza
mjaucem
moje ime je: mika
lajem
jurim macku laza
>>> |
```