

# Uvod u Python programski jezik (Python 3)

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<https://programiranje.ba>

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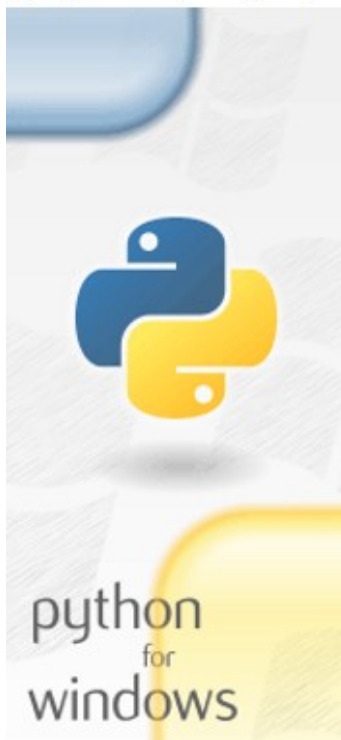
# Instalacija i podesavanje Python-a i PyCharm-a

<https://python.org/downloads>



Dvije verzije Python-a, Python 2 "legacy" verzija i Python 3 trenutna verzija koju cemo obraditi tokom ovog kursa.

## Python 3 instalacija



## Install Python 3.8.1 (32-bit)

Select **Install Now** to install Python with default settings, or choose **Customize** to enable or disable features.



### Install Now

C:\Users\leemenix\AppData\Local\Programs\Python\Python38-32

Includes IDLE, pip and documentation  
Creates shortcuts and file associations



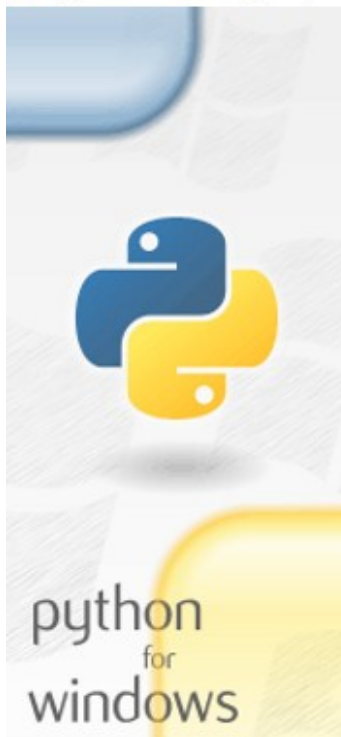
### Customize installation

Choose location and features

☒ Install launcher for all users (recommended)

☒ Add Python 3.8 to PATH

Cancel



## Optional Features

☒ Documentation

Installs the Python documentation file.

☒ pip

Installs pip, which can download and install other Python packages.

☒ tcl/tk and IDLE

Installs tkinter and the IDLE development environment.

☒ Python test suite

Installs the standard library test suite.

☒ py launcher ☒ for all users (requires elevation)

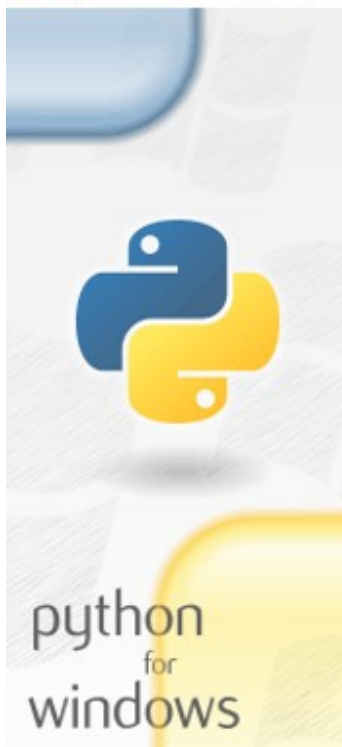
Installs the global 'py' launcher to make it easier to start Python.

Back

Next

Cancel

Next



## Advanced Options

- ☒ Install for all users
- ☒ Associate files with Python (requires the py launcher)
- ☒ Create shortcuts for installed applications
- ☒ Add Python to environment variables
- ☒ Precompile standard library
- ☐ Download debugging symbols
- ☐ Download debug binaries (requires VS 2015 or later)

Customize install location

C:\Program Files (x86)\Python38-32

Browse

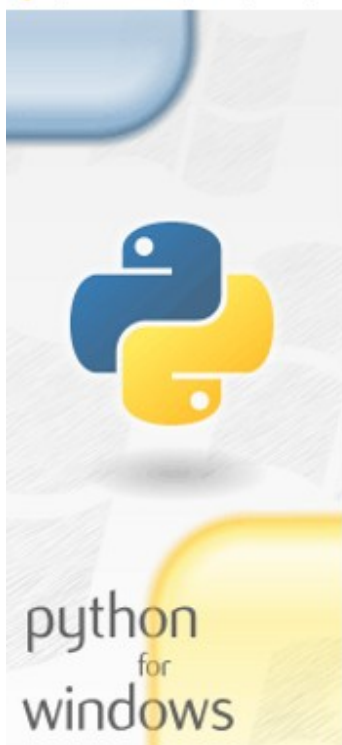
Back

Install

Cancel

Install

[if OS Windows ask for confirmation confirm with yes]



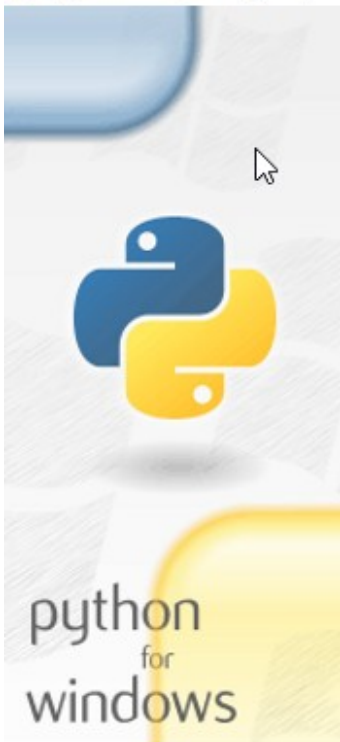
## Setup Progress

Installing:

Python 3.8.1 Test Suite (32-bit)



Cancel



## Setup was successful

Special thanks to Mark Hammond, without whose years of freely shared Windows expertise, Python for Windows would still be Python for DOS.

New to Python? Start with the [online tutorial](#) and [documentation](#).

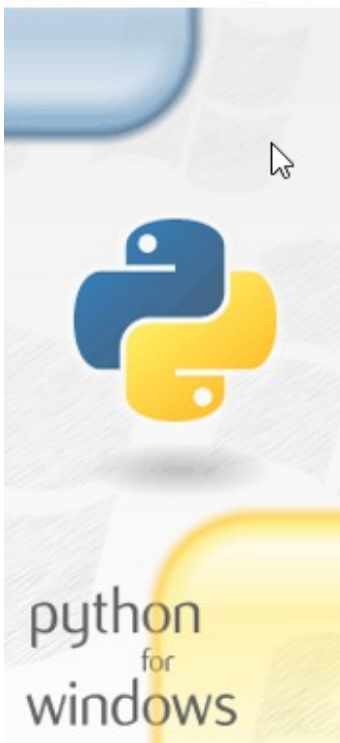
See [what's new](#) in this release.



### Disable path length limit

Changes your machine configuration to allow programs, including Python, to bypass the 260 character "MAX\_PATH" limitation.

Close



## Setup was successful

Special thanks to Mark Hammond, without whose years of freely shared Windows expertise, Python for Windows would still be Python for DOS.

New to Python? Start with the [online tutorial](#) and [documentation](#).

See [what's new](#) in this release.

Close

## Tekst editor



[IDE] – Integrated Development Environment



# PyCharm instalacija


<https://jetbrains.com/pycharm/download>


JET  
BRAINS

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PyCharm  Coming in 2020.1 What's New Features Learning Center Buy [Download](#)



Version: 2019.3.3  
Build: 193.6494.30  
6 February 2020

[System requirements](#)  
[Installation Instructions](#)  
[Other versions](#)

## Download PyCharm

[Windows](#) [Mac](#) [Linux](#)

### Professional

For both Scientific and Web Python development. With HTML, JS, and SQL support.

[Download](#)

Free trial

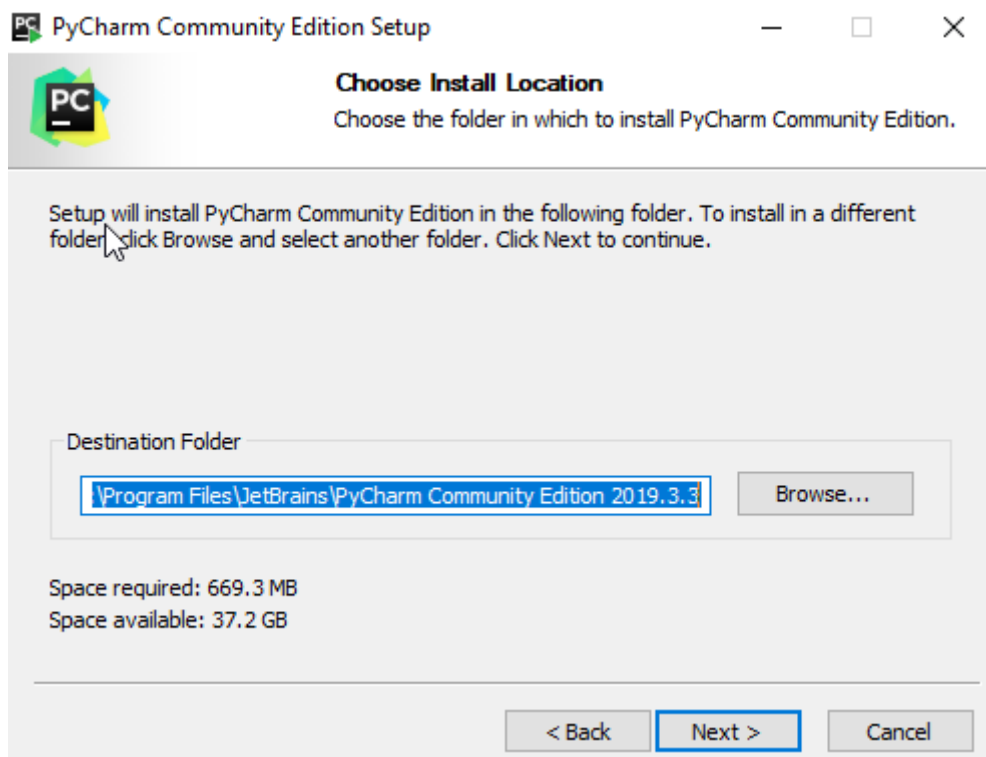
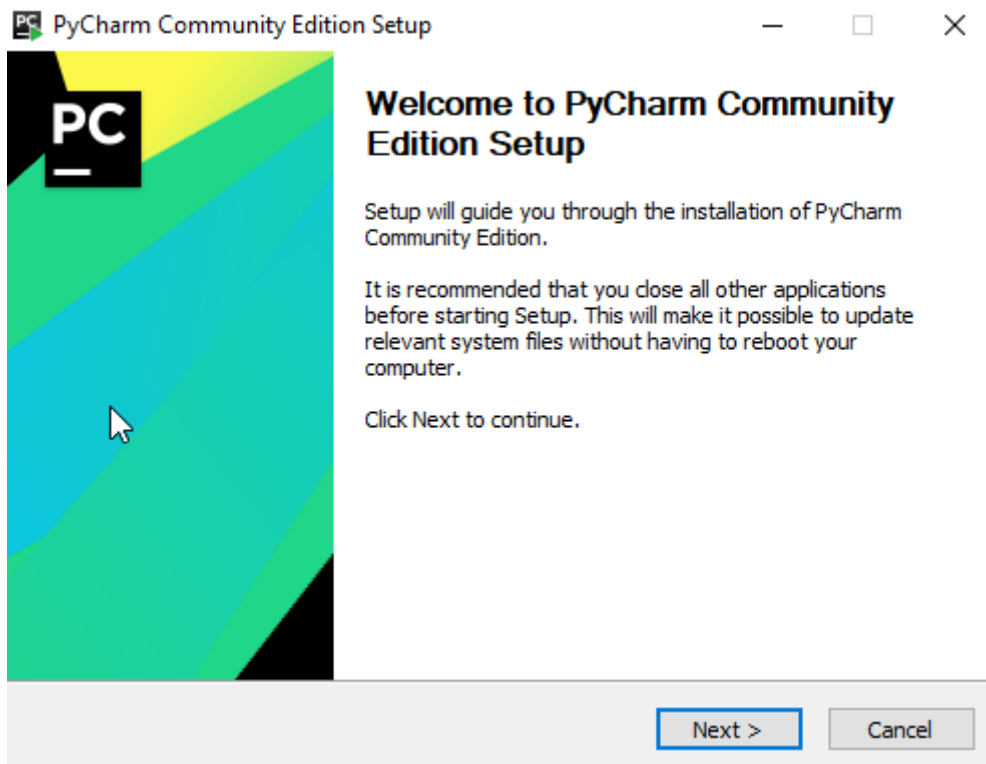
### Community

For pure Python development

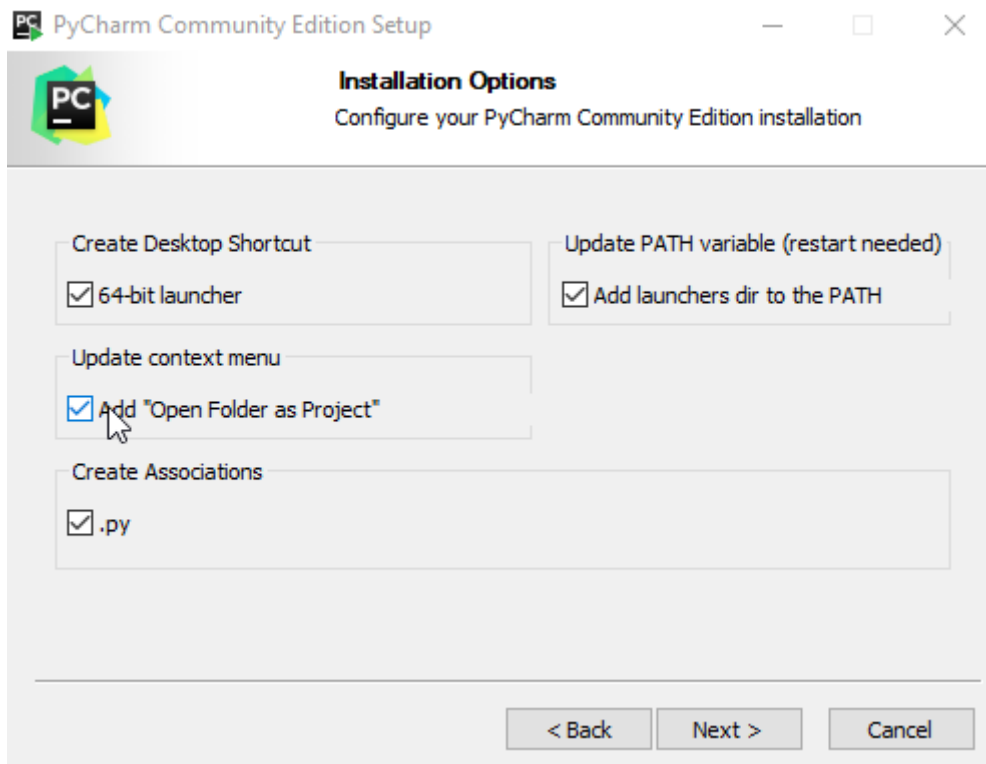
[Download](#)

Free, open-source

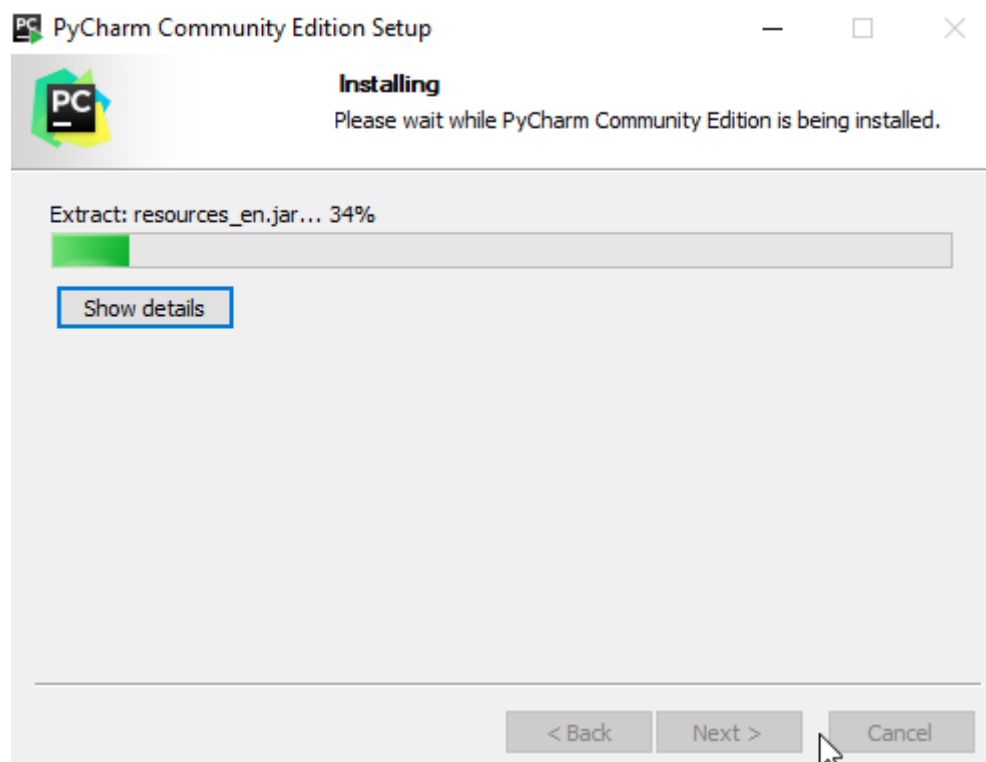
Izaberi "Community"

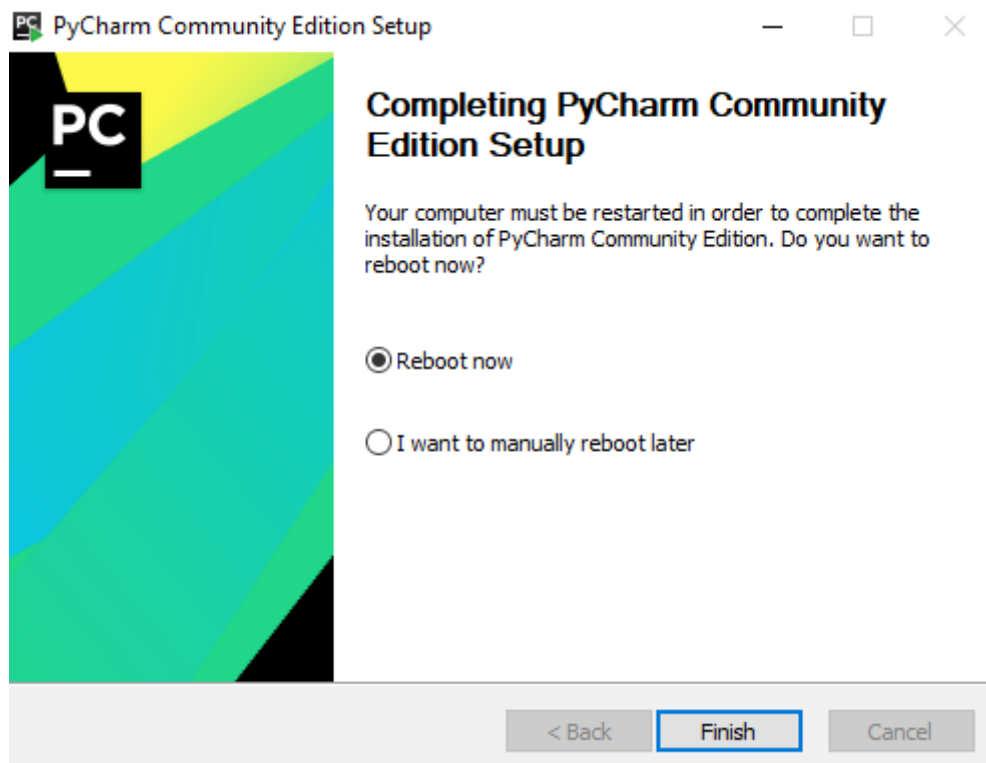




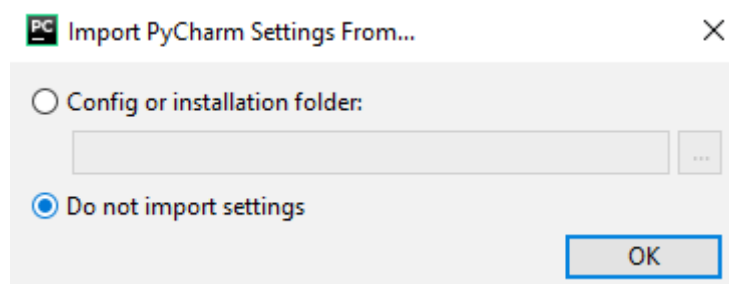


Na slececem ekrenu kliknite "Install"





Nakon restarta pokrenemo PyCharm i konfiguriramo minimalna podesavanja



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Version 2.1, last updated: July 23, 2018

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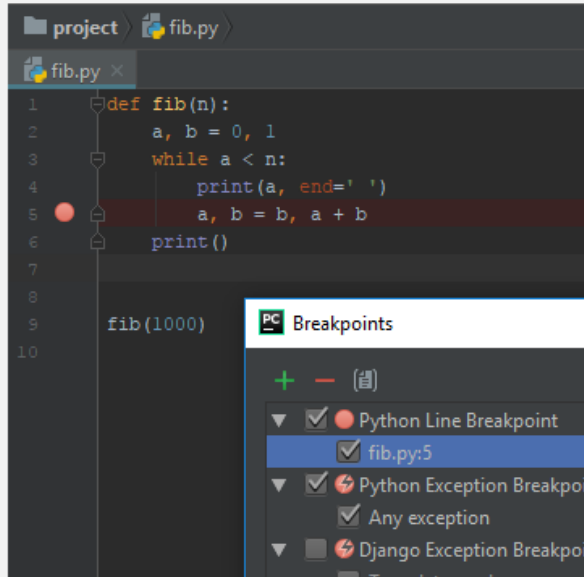
Send Usage Statistics

Don't send

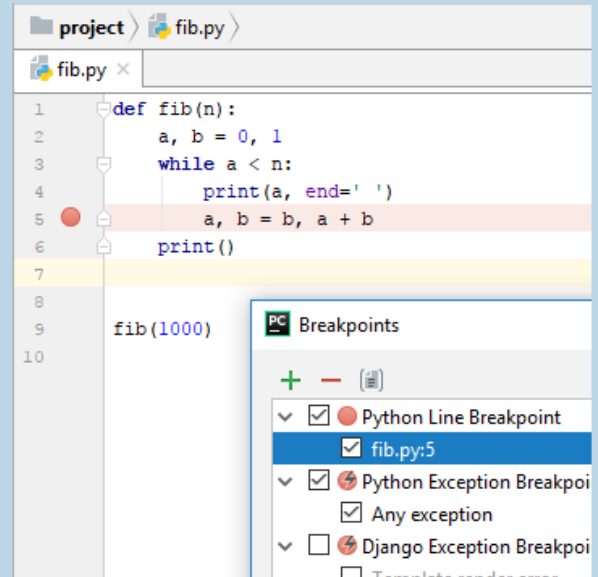
UI Themes → Featured plugins

## Set UI theme

☐ Darcula



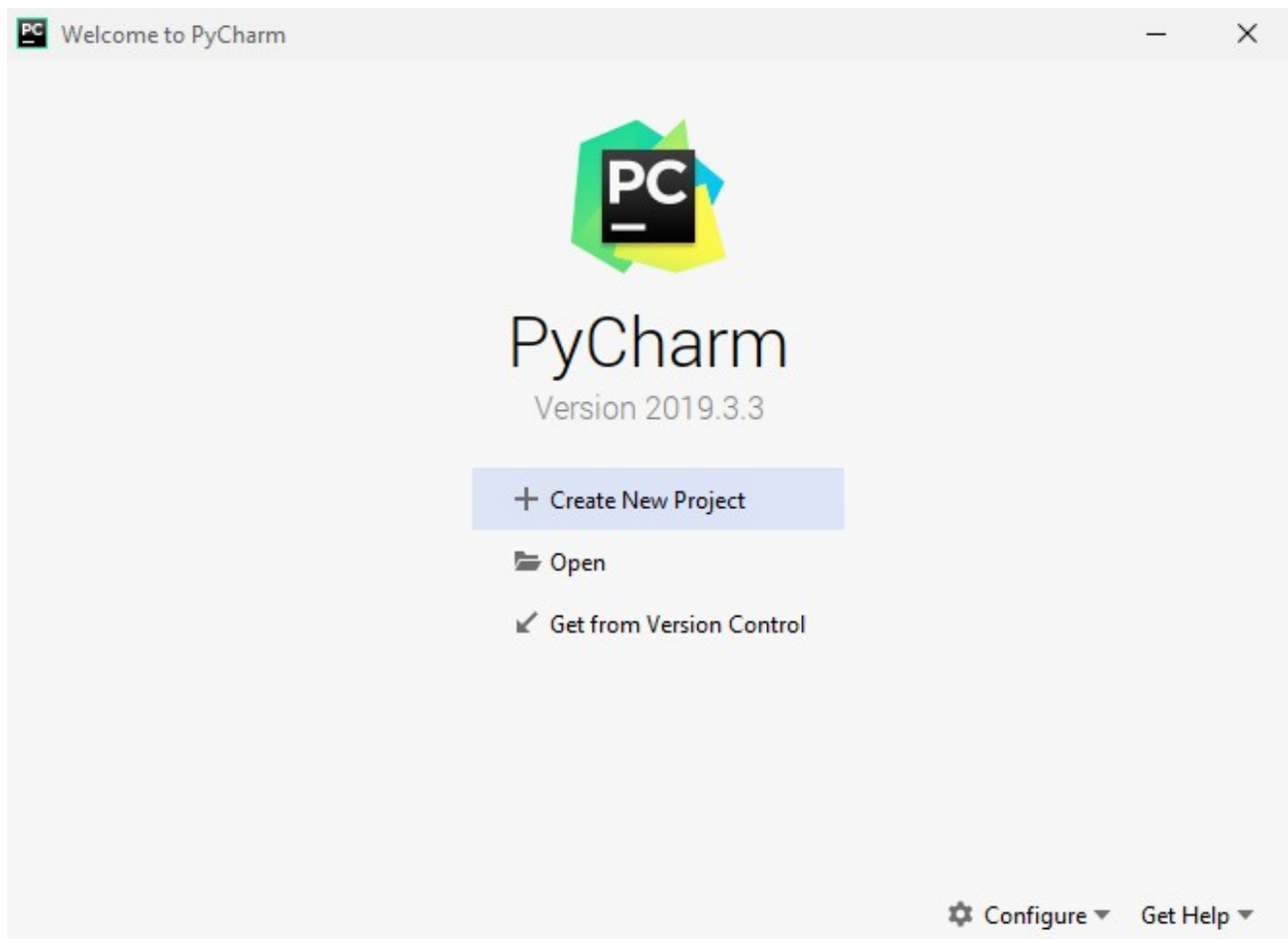
☒ Light



You can change the UI theme later in Settings | Appearance & Behavior | Appearance. Additional themes are available in Settings | Plugins.

Skip Remaining and Set Defaults

Next: Featured plugins




Kliknite na Project interpreter i podesite Base interpreter  
[vrijednost moze varirati u zavisnosti od vasesg OS-a]


PC New Project

Location: C:\Users\leemenix\PycharmProjects\programiranje.ba

▼ Project Interpreter: New Virtualenv environment

☒ New environment using  Virtualenv

Location: C:\Users\leemenix\PycharmProjects\programiranje.ba\venv

Base interpreter:  C:\Program Files (x86)\Python38-32\python.exe

☐ Inherit global site-packages

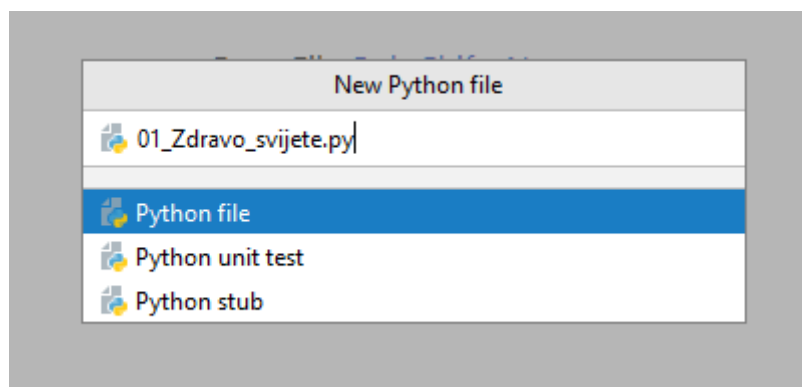
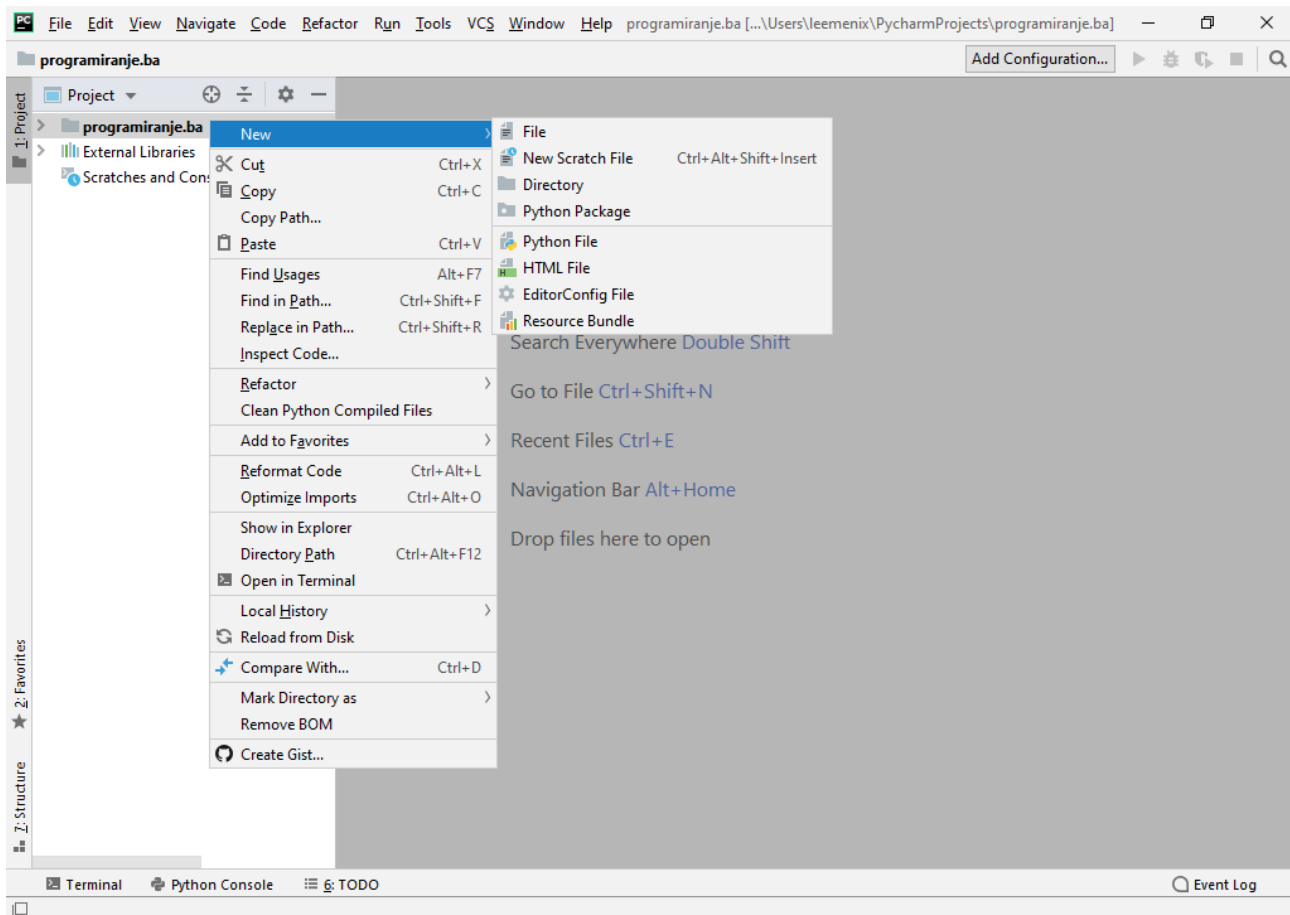
☐ Make available to all projects

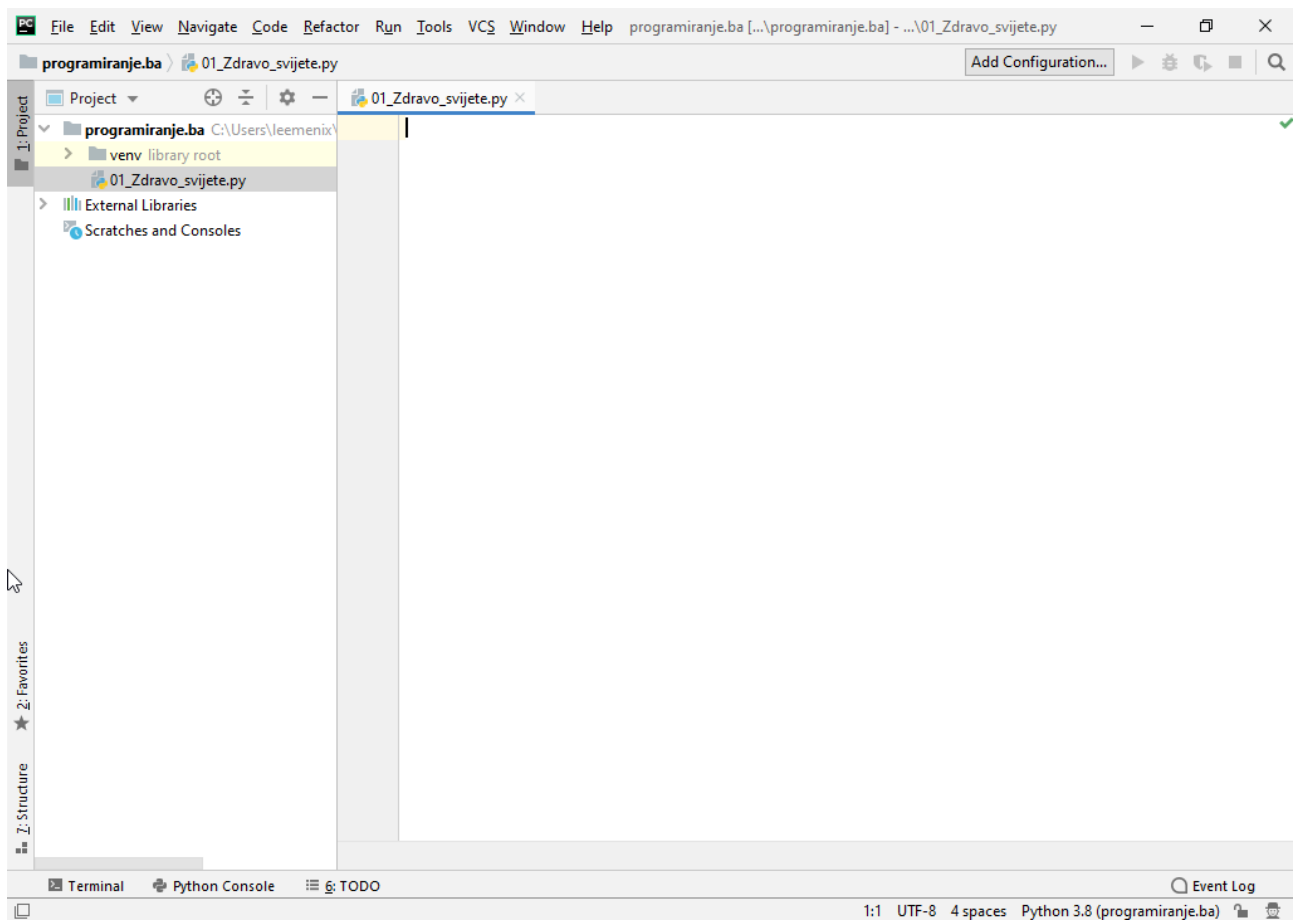
☐ Existing interpreter

Interpreter: <No interpreter>

Create Cancel

# Prvi program "Zdravo svijete!"

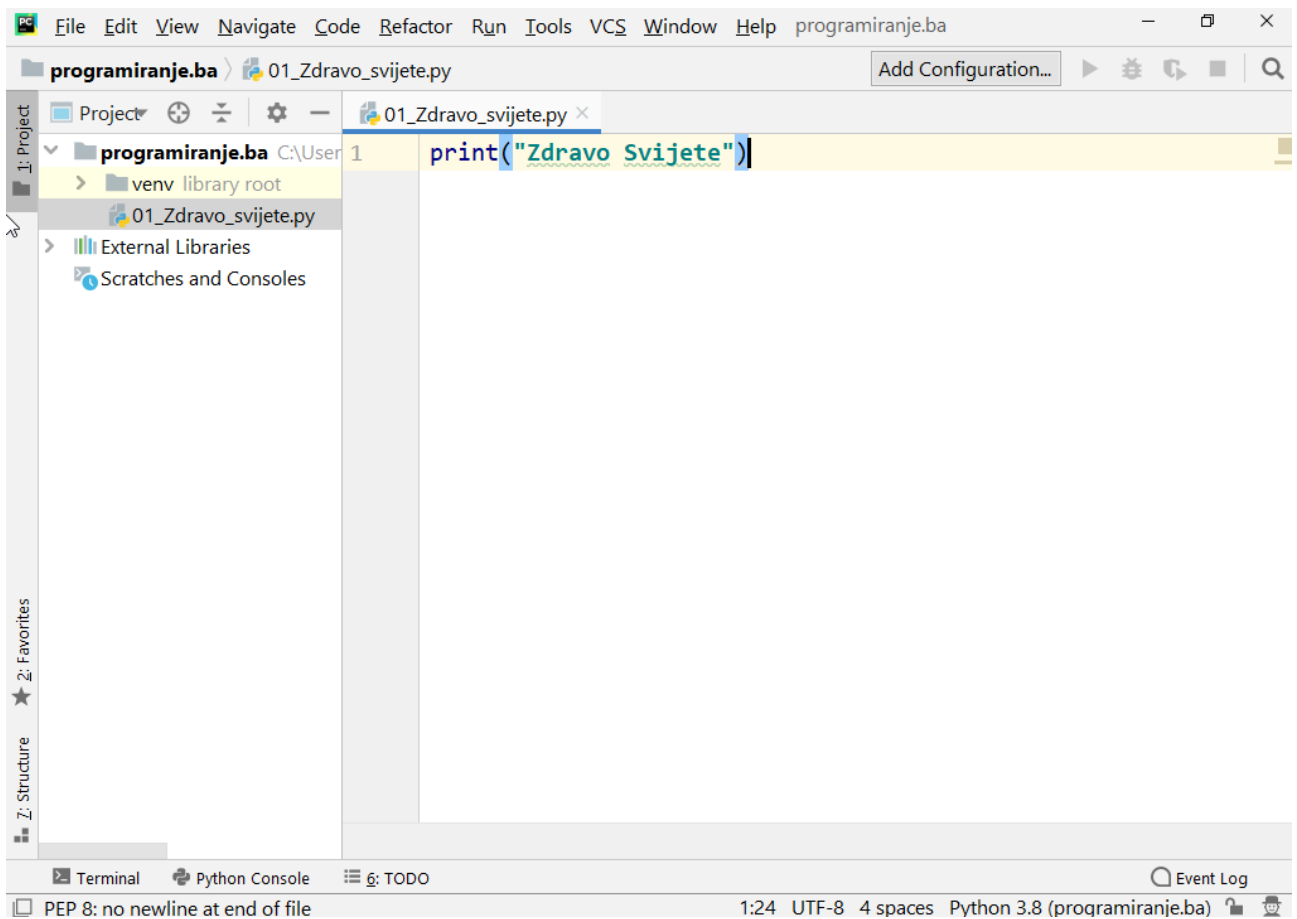


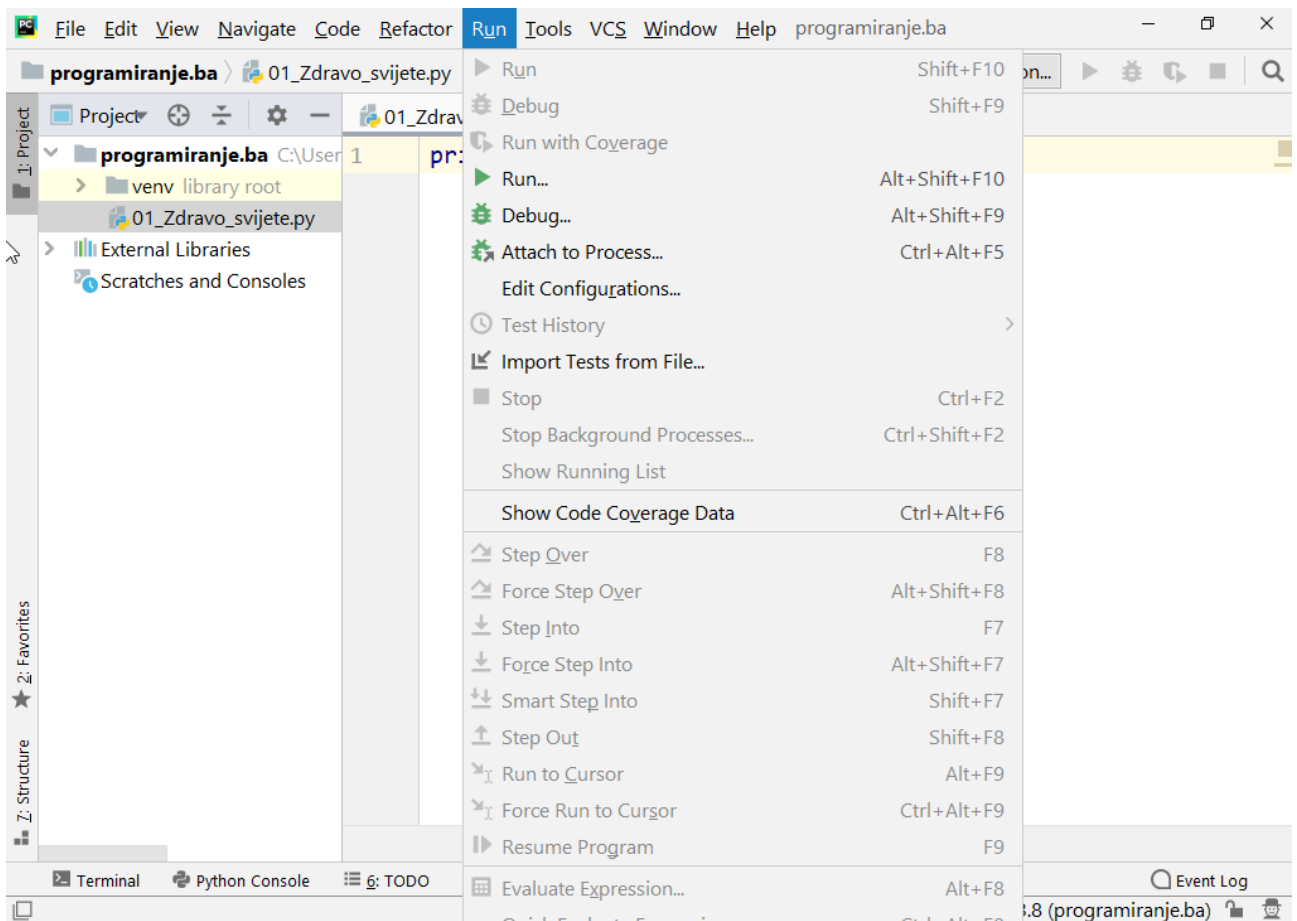


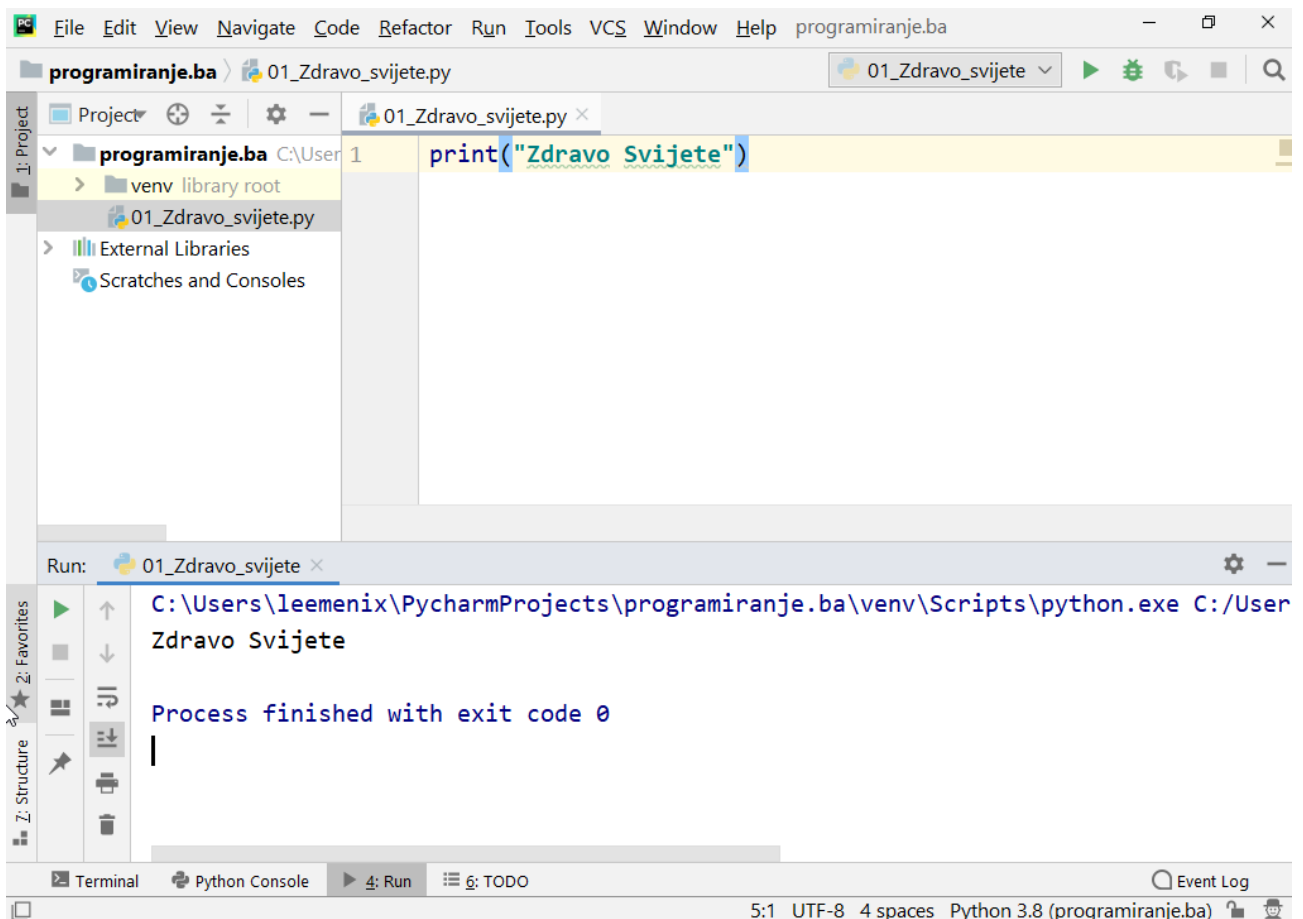
```
print("Pozdrav svijete!")
```

```
print("Pozdrav svijete!")
```









```
# 01_Zdravo_svijete.py
```

```
print("Zdravo Svijete")
```

### **Output:**

*Zdravo Svijete*

## Variable

Kada radimo sa podacima, potrebno ih je organizovati, kontejneri kutije u koje stavljamo pohranjujemo nase podatke predstavljaju varijable. Sta predstavljaju , zasto su korisne, koje sve vrste (tipove) podataka mozemo smjestiti u varijable.

```
# 10_Varijable-01.py
```

```
print("Bila mama Kukunka, Kukunka")
print("Bio tata Taranta, Taranta")
print("imali su maloga Ju-Ju")

print("Jednom su se setali, setali")
print("kraj duboke rijeke Nil, rijeke Nil")
print("gdje je bio velik' krokodil")
```

***Output:***

*Zdravo Svijete*

```
# 11_Varijable-02.py
```

```
mama_ime="Kukunka"
tata_ime="Taranta"
beba_ime="Ju-Ju"
rijeka_naziv="Dunav"

print("Bila mama " + mama_ime + ", " + mama_ime)
print("Bio tata " + tata_ime + ", " + tata_ime)
print("imali su maloga " + beba_ime)

print("Jednom su se setali, setali")
print("kraj duboke rijeke " + rijeka_naziv + ", rijeke "
+ rijeka_naziv)
print("gdje je bio velik krokodil")
```

## **Organizacija podataka**

**List**

**List funkcije**

**Tuples**

**Dictionaries**

**Funkcije i uslovi**

**Return statement**