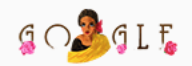


# CIS 419/519

## Python Development Environment

Anaconda + PyCharm

Anaconda



anaconda python

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About 563,000 results (0.24 seconds)

### Python :: Anaconda Cloud

<https://anaconda.org/anaconda/python>

Description. Python is a widely used high-level, general-purpose, interpreted, dynamic programming language. Its design philosophy emphasizes code readability, and its syntax allows programmers to express concepts in fewer lines of code than would be possible in languages such as C++ or Java. The language ...

**:: Anaconda Cloud**  
<https://anaconda.org/>

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Python · Login :: Anaconda Cloud · Forgot Username :: Anaconda ... · Pricing

### Downloading conda – Conda documentation

<https://conda.io/docs/download.html>

Purchase Anaconda Enterprise. You can download any of these 3 options with legacy Python 2.7 or current Python 3. You can also choose a version with a GUI or a command line installer. TIP: If you are unsure of which option to download, choose the most recent version of Anaconda3, which includes Python 3.6, the most ...

### Installing on Windows – Conda documentation

<https://conda.io/docs/user-guide/install/windows.html>

Miniconda installer for Windows. Anaconda installer for Windows. ... You can change them later. When installation is finished, from the Start menu, open the Anaconda Prompt. ... are case-sensitive. EXAMPLE: The following command installs Miniconda for the current user without registering Python as the system's default.

### Install Python on Windows (Anaconda) – Michael Galarnyk – Medium

<https://medium.com/.../install-python-on-windows-anaconda-c63c7c3d1444>


Dec 24, 2016 - This tutorial is split into three sections. The first part is installing Anaconda. The second part is testing your installation (making sure conda works, dealing with path issues etc). Finally, the...

### Anaconda (Python distribution) - Wikipedia

[https://en.wikipedia.org/wiki/Anaconda\\_\(Python\\_distribution\)](https://en.wikipedia.org/wiki/Anaconda_(Python_distribution))

Anaconda is a freemium open source distribution of the Python and R programming languages for large-scale data processing, predictive analytics, and scientific computing, that aims to simplify package management and deployment. Package versions are managed by the package management system conda.

**Anaconda**  
Computer program





---


Anaconda is a freemium open source distribution of the Python and R programming languages for large-scale data processing, predictive analytics, and scientific computing, that aims to simplify package management and deployment. [Wikipedia](#)


**License:** New BSD License  
**Stable release:** 5.0.1 / 25 October 2017; 51 days ago  
**Developer(s):** Anaconda, Inc. (née Continuum Analytics)  
**Programming language:** Python


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 pip

  
 PyCharm

  
 Spyder

  
 matplotlib

Feedback

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Version 5.0.1 | Release Date: October 25, 2017

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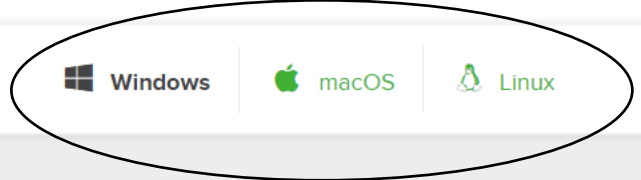
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## Anaconda 5.0.1 For Windows Installer

### Python 3.6 version \*

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Anaconda3 5.0.1 (64-bit) Setup

**ANACONDA** **Advanced Installation Options**  
Customize how Anaconda integrates with Windows

Advanced Options

- Add Anaconda to my PATH environment variable  
Not recommended. Instead, open Anaconda with the Windows Start menu and select "Anaconda (64-bit)". The "add to PATH" option makes Anaconda get found before previously installed software, but may cause problems requiring you to uninstall and reinstall Anaconda.
- Register Anaconda as my default Python 3.6  
This will allow other programs, such as Python Tools for Visual Studio, PyCharm, Wing IDE, PyDev, and MSI binary packages, to automatically detect Anaconda as the primary Python 3.6 on the system.

< Back Install Cancel

Python 3.6  
Anaconda, Inc.

[64-Bit Graphical Installer \(515 MB\)](#) ⓘ  
[32-Bit Graphical Installer \(420 MB\)](#)

Python 3.5  
Anaconda, Inc.

[64-Bit Graphical Installer \(500 MB\)](#) ⓘ  
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[Behind a firewall?](#)  
[How to get Python 3.5 or other Python versions](#)  
[How to Install ANACONDA](#)

Get Started

PyCharm



pycharm



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### PyCharm: Python IDE for Professional Developers by JetBrains

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

Be More Productive. Save time while PyCharm takes care of the routine. Focus on bigger things and embrace the keyboard-centric approach to get the most of PyCharm's many productivity features. Get Smart Assistance. PyCharm knows everything about your code. Rely on it for intelligent code completion, on-the-fly error ...

#### Download

Intelligent Python IDE with refactorings, debugger, code ...

#### What's New

What's New in PyCharm 2017.3. Performance, Usability, and ...

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#### Features

PyCharm Features. Intelligent Coding Assistance. PyCharm ...

#### PyCharm Educational Edition

PyCharm Edu offers the complete toolkit for both learners and ...

#### Docs & Demos

Getting Started with PyCharm: Quick Tour 3:28 Getting Started ...

### For Students: Free Professional Developer Tools by JetBrains

<https://www.jetbrains.com/student/>

IntelliJ IDEA Ultimate. A complete toolset for JVM-based web, mobile and enterprise development · AppCode. Smart iOS/macOS IDE · CLion. Cross-platform C/C++ IDE · DataGrip. Database and SQL IDE · GoLand. Capable and Ergonomic Go IDE · PhpStorm. IDE for Web & PHP · PyCharm. Powerful Python & Django IDE.

### PyCharm - Wikipedia

<https://en.wikipedia.org/wiki/PyCharm>

PyCharm is an Integrated Development Environment (IDE) used in computer programming, specifically for the Python language. It is developed by the Czech company JetBrains. It provides code analysis, a graphical debugger, an integrated unit tester, integration with version control systems (VCSes), and supports web ...

### JetBrains PyCharm (@pycharm) · Twitter

<https://twitter.com/pycharm>

View TODOs by project, file, or scope #DriveToDevelop pic.twitter.com/OkSF6h9...

Use keyboard and speedsearch to find a TODO #DriveToDevelop

Eliminate TODOs from installed packages using a custom scope #DriveToDevelop

**PyCharm**  
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PyCharm is an Integrated Development Environment used in computer programming, specifically for the Python language. It is developed by the Czech company JetBrains. [Wikipedia](#)

Written in: [Java](#), [Python](#)

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Upcoming Webinar: [MongoDB Quickstart with Python and PyCharm](#) Tuesday, January 30, 2018, 16:30-17:30 GMT [Register](#)

# PyCharm

Python IDE  
for Professional Developers

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PYCHARM

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~ root#



Version: 2017.3.2  
Build: 173.4127.16  
Released: December 27, 2017

- [System requirements](#)
- [Installation Instructions](#)
- [Previous versions](#)

# Download PyCharm

- Windows
- macOS
- Linux

## Professional

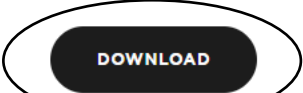
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Welcome to PyCharm

PyCharm  
Version 2017.3.2

- Create New Project
- Open
- Check out from Version Control

Configure Get Help

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- Create New Project
- Open
- Check out from Version Control

- Configure
- Get Help
- Settings
- Plugins
- Import Settings
- Export Settings
- Settings Repository...
- Check for Updates

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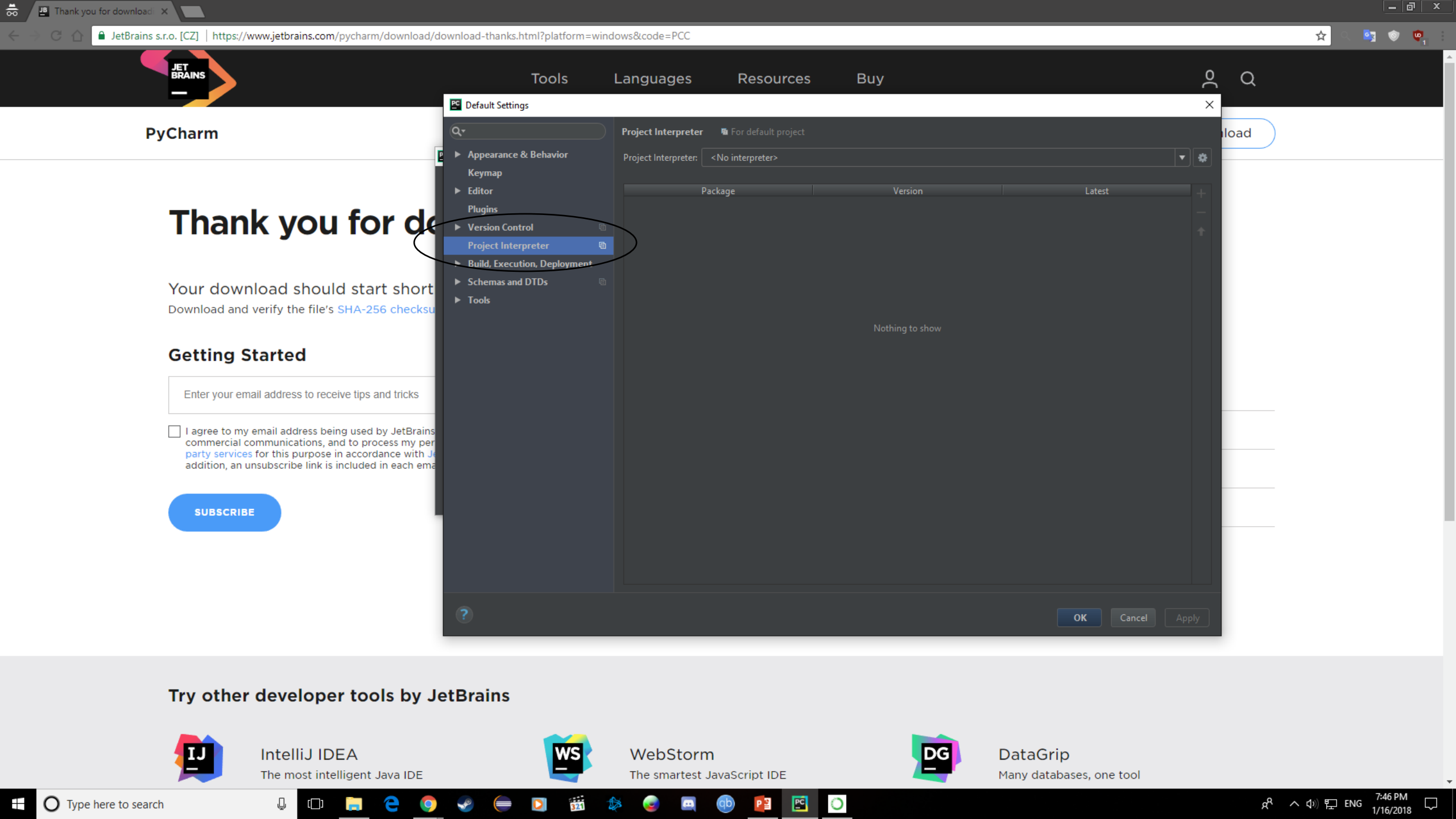
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Default Settings

- Appearance & Behavior
- Keymap
- Editor
- Plugins
- Version Control
- Project Interpreter**
- Build, Execution, Deployment
- Schemas and DTDs
- Tools

Project Interpreter For default project

Project Interpreter: <No interpreter>

Package	Version	Latest
Nothing to show		

OK Cancel Apply


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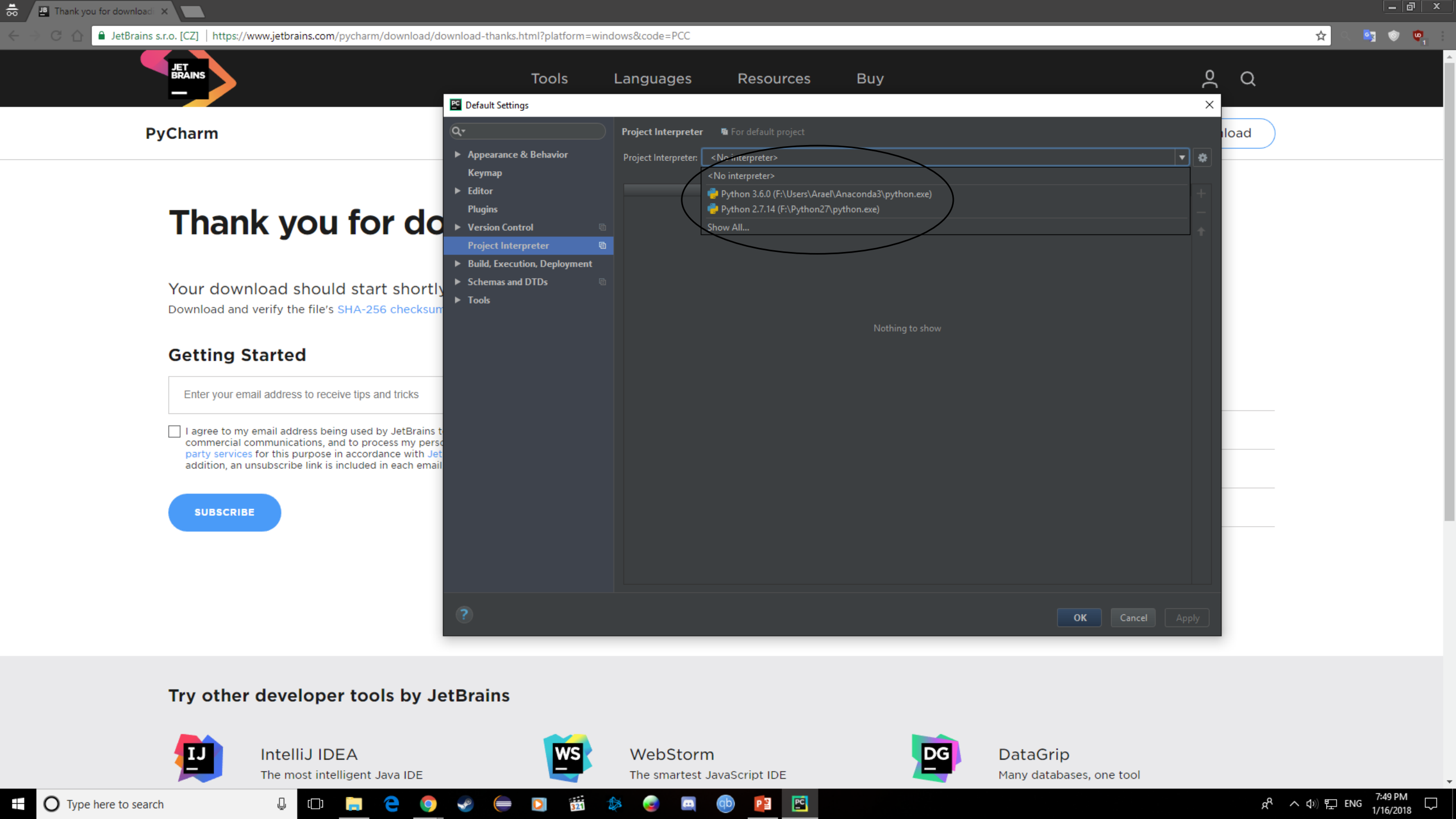
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**Default Settings**

Project Interpreter For default project

Project Interpreter: <No interpreter>

- <No interpreter>
- Python 3.6.0 (F:\Users\Arael\Anaconda3\python.exe)
- Python 2.7.14 (F:\Python27\python.exe)
- Show All...

Nothing to show

OK Cancel Apply

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### Default Settings

Project Interpreter For default project

Project Interpreter: Python 3.6.0 (F:\Users\Arael\Anaconda3\python.exe)

Package	Version	Latest
_ipyw_jlab_nb_ext_conf	0.1.0	
alabaster	0.7.10	
anaconda	5.0.1	
anaconda-client	1.6.5	1.2.2
anaconda-navigator	1.6.9	0.1.0
anaconda-project	0.8.0	→ 0.8.2
asn1crypto	0.22.0	→ 0.24.0
astroid	1.5.3	→ 1.6.0
astropy	2.0.2	→ 3.0rc1
babel	2.5.0	→ 2.5.3
backports	1.0	1.0
backports.shutil_get_terminal_size	1.0.0	1.0.0
beautifulsoup4	4.6.0	4.6.0
bitarray	0.8.1	0.8.1
bkcharts	0.2	0.2
blaze	0.11.3	0.10.1
bleach	2.0.0	→ 2.1.2
bokeh	0.12.10	→ 0.12.13
boto	2.48.0	2.48.0
bottleneck	1.2.1	1.2.1
bzip2	1.0.6	1.0.6
ca-certificates	2017.08.26	
cachecontrol	0.12.3	0.12.3
certifi	2017.7.27.1	→ 2017.11.5
cffi	1.10.0	→ 1.11.4
chardet	3.0.4	3.0.4
click	6.7	6.7
cloudpickle	0.4.0	→ 0.5.2

OK Cancel Apply

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SUBSCRIBE

New Project

Location: D:\CIS519

Project Interpreter: Python 3.6.0 (F:\Users\Arae\Anaconda3\python.exe)

New environment using **Virtualenv**

Location: D:\CIS519\venv

Base interpreter: Python 3.6.0 (F:\Users\Arae\Anaconda3\python.exe)

Inherit global site-packages

Make available to all projects

Existing interpreter

Interpreter: Python 3.6.0 (F:\Users\Arae\Anaconda3\python.exe)

Create Cancel

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Project

- CIS519 D:\CIS519
- External Libraries

Structure

2 Favorites

Tip of the Day

### Welcome to PyCharm 2017.3.2

Get familiar with the main features of the IDE by reading these tips.  
Try out the features described in the tips while this dialog stays open on the screen.  
If you close the dialog, you can always get back to it using **Help | Tip of the Day** on the menu bar.

Show tips on startup

Previous Tip **Next Tip** Close

- New Project...
- New... Alt+Insert
- New Scratch File Ctrl+Alt+Shift+Insert
- Open...
- Save As...
- Open Recent
- Close Project
- Rename Project...
- Settings... Ctrl+Alt+S
- Default Settings...
- Import Settings...
- Export Settings...
- Settings Repository...
- Save All Ctrl+S
- Synchronize
- Invalidate Caches / Restart...
- Export to HTML...
- Print... Ctrl+P
- Add to Favorites
- File Encoding
- Make Directory Read-only
- Power Save Mode
- Exit

Search Everywhere Double Shift

Go to File Ctrl+Shift+R

Recent Files Ctrl+E

Navigation Bar Alt+Home

Drop files here to open

2 Favorites

Project

CIS519 D:\CIS519

- New
- File
- Directory
- Python Package
- Python File**
- Jupyter Notebook
- HTML File

Structure

2 Favorites

Search Everywhere Double Shift

Go to File Ctrl+Shift+R

Recent Files Ctrl+E

Navigation Bar Alt+Home

Drop files here to open

Project

- CIS519 D:\CIS519
- External Libraries

Structure

2 Favorites

Search Everywhere Double Shift

Go to File Ctrl+Shift+B

New Python file

Name:

Kind:

OK Cancel

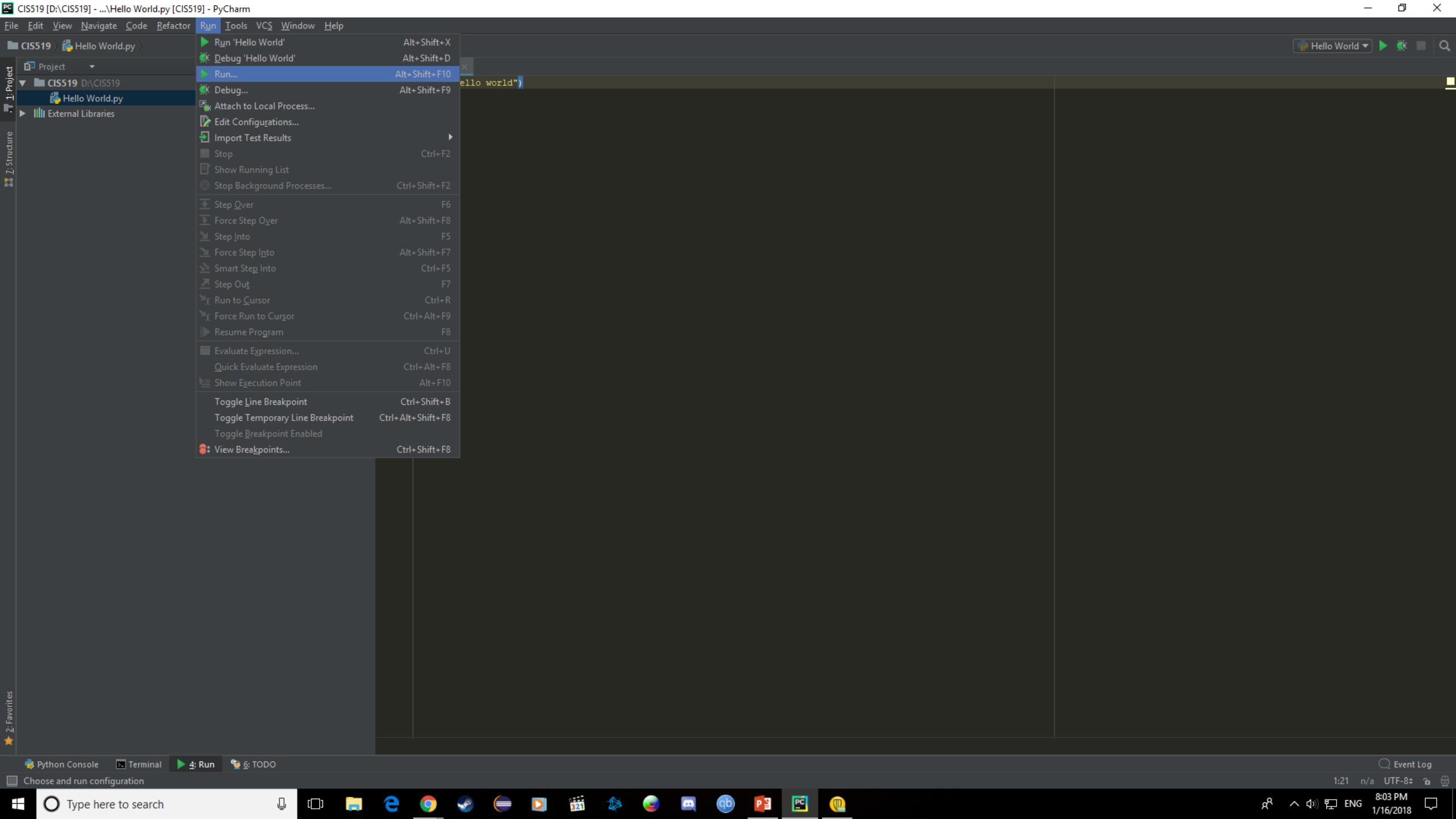
Project

- CIS519 D:\CIS519
- External Libraries

Structure

2 Favorites

```
1 print("hello world")
```



- ▶ Run 'Hello World' Alt+Shift+X
- ▶ Debug 'Hello World' Alt+Shift+D
- ▶ Run... Alt+Shift+F10
- ▶ Debug... Alt+Shift+F9
- ▶ Attach to Local Process...
- ▶ Edit Configurations...
- ▶ Import Test Results
- ▶ Stop Ctrl+F2
- ▶ Show Running List
- ▶ Stop Background Processes... Ctrl+Shift+F2
- ▶ Step Over F6
- ▶ Force Step Over Alt+Shift+F8
- ▶ Step Into F5
- ▶ Force Step Into Alt+Shift+F7
- ▶ Smart Step Into Ctrl+F5
- ▶ Step Out F7
- ▶ Run to Cursor Ctrl+R
- ▶ Force Run to Cursor Ctrl+Alt+F9
- ▶ Resume Program F8
- ▶ Evaluate Expression... Ctrl+U
- ▶ Quick Evaluate Expression Ctrl+Alt+F8
- ▶ Show Execution Point Alt+F10
- ▶ Toggle Line Breakpoint Ctrl+Shift+B
- ▶ Toggle Temporary Line Breakpoint Ctrl+Alt+Shift+F8
- ▶ Toggle Breakpoint Enabled
- ▶ View Breakpoints... Ctrl+Shift+F8

```
ello world")
```

Project

- CIS519 D:\CIS519
  - Hello World.py
  - External Libraries

Structure

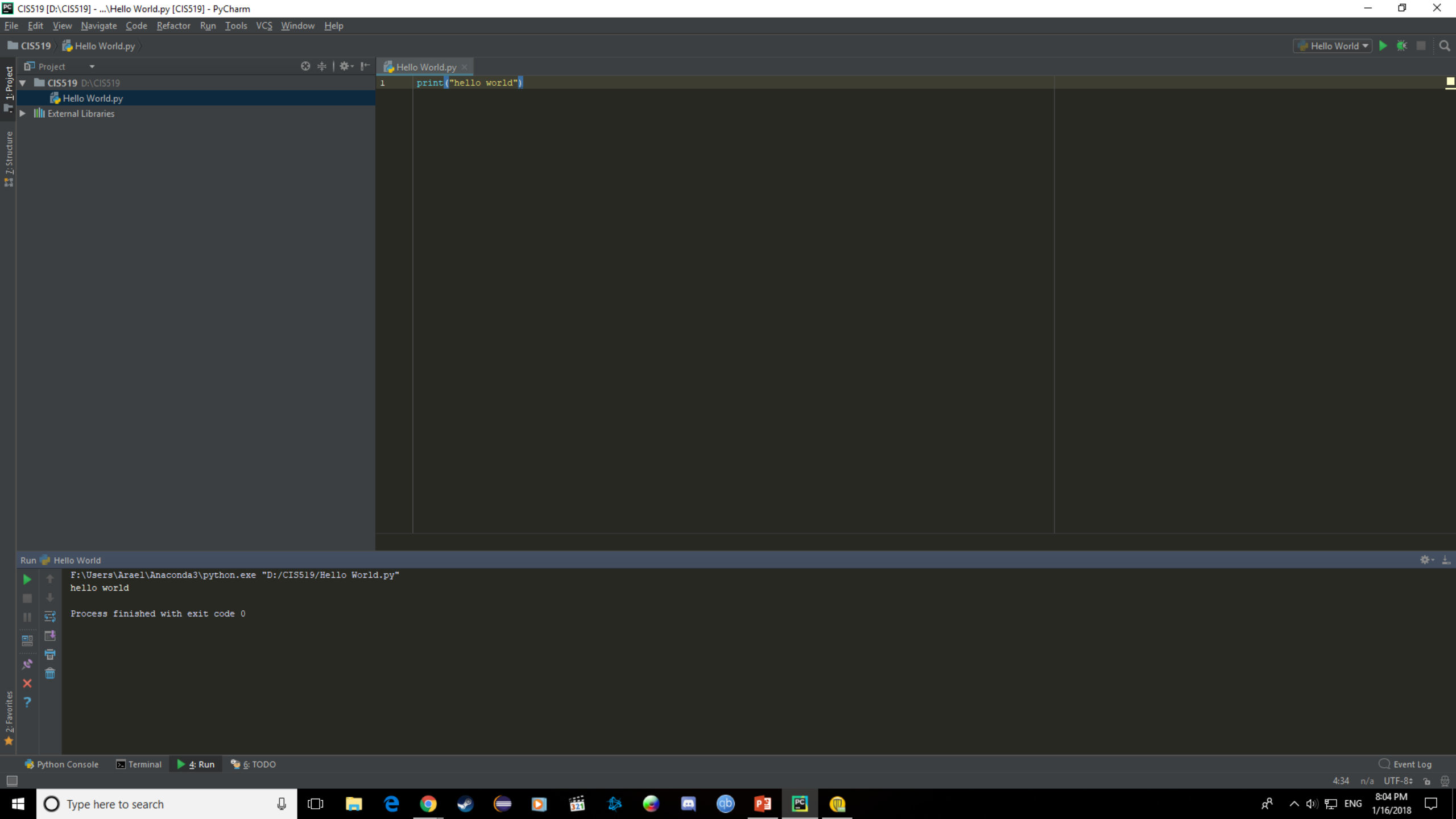
2 Favorites

```
1 print("hello world")
```

Run

- 0. Edit Configurations...
- 1. Hello World ▶

Press F4 to Edit



Project structure view showing folders: CIS519, Hello World.py, External Libraries

```
1 print("hello world")
```

Run console output: F:\Users\Anaël\Anaconda3\python.exe "D:/CIS519/Hello World.py" hello world Process finished with exit code 0



Project

- CIS519 D:\CIS519
  - HelloWorld.py
  - External Libraries

Structure

2 Favorites

```
1 print("hello world")
```

Command Prompt

```
D:\CIS519>python -i
```

Project

- CIS519 D:\CIS519
  - HelloWorld.py
  - External Libraries

Structure

2 Favorites

```
HelloWorld.py x
1 print("hello world")
```

Command Prompt - python3 -i

```
Python 3.6.3 [Anaconda, Inc.] (default, Oct 15 2017, 03:27:45) [MSC v.1900 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> _
```

Project

- CIS519 D:\CIS519
  - HelloWorld.py
  - External Libraries

Structure

2 Favorites

```
1 print("hello world")
```

Command Prompt

```
Python 3.6.3 [Anaconda, Inc.] (default, Oct 15 2017, 03:27:45) [MSC v.1900 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> exit()

D:\CIS519>
```

Project

- CIS519 D:\CIS519
  - HelloWorld.py
  - External Libraries

Structure

2 Favorites

```
1 print("hello world")
```

Command Prompt

```
Python 3.6.3 [Anaconda, Inc.] (default, Oct 15 2017, 03:27:45) [MSC v.1900 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> exit()

D:\CIS519>python HelloWorld.py
```