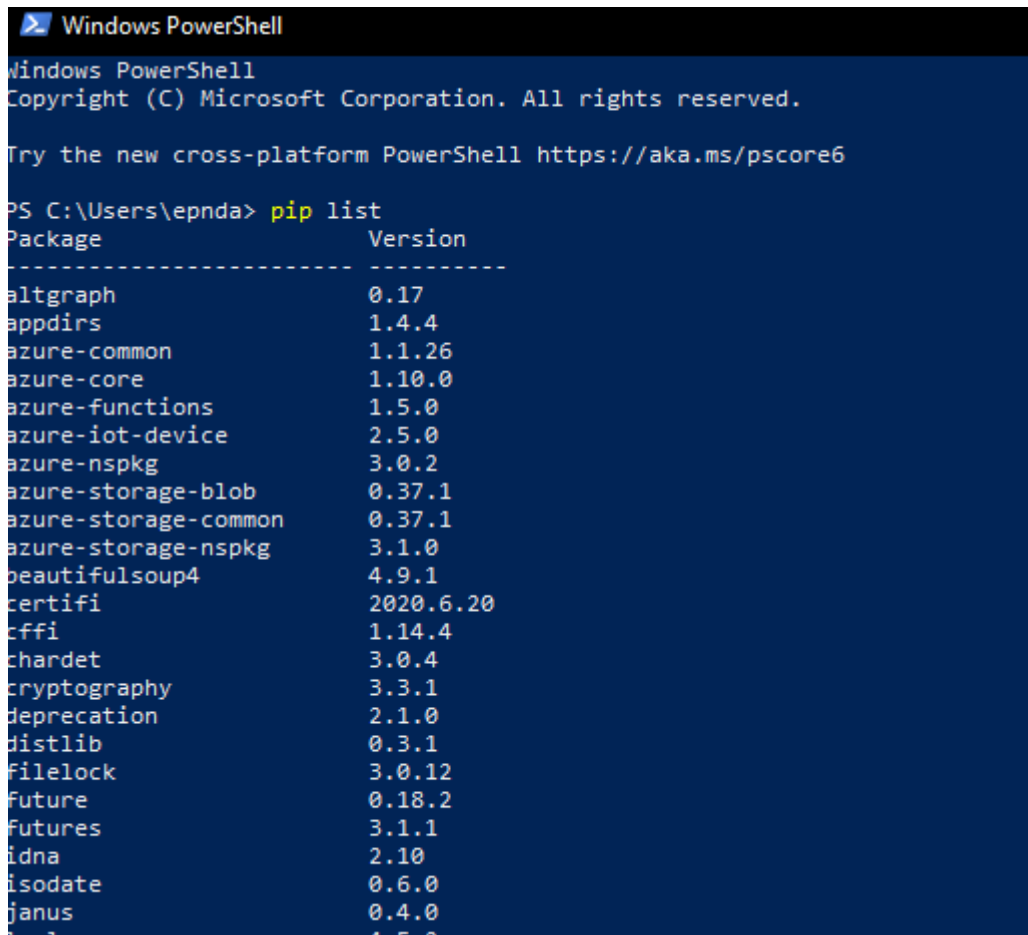


Virtual Enviroment i python 3.8 >

1. Öppna PowerShell i windows:
2. Skriv **pip list** i terminalen: Då borde ni se något som bilden nedan (*Du kan ha en annorlunda lista*). Detta är då en lista av alla python bibliotek vi har globalt installerade.

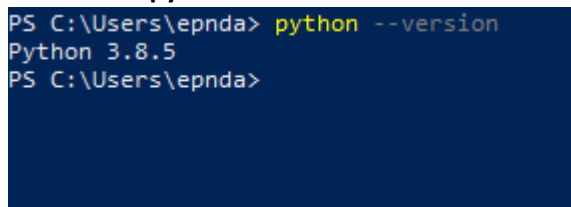


```
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\epnda> pip list
Package                                Version
-----
altgraph                              0.17
appdirs                              1.4.4
azure-common                          1.1.26
azure-core                            1.10.0
azure-functions                       1.5.0
azure-iot-device                      2.5.0
azure-nspkg                           3.0.2
azure-storage-blob                   0.37.1
azure-storage-common                 0.37.1
azure-storage-nspkg                  3.1.0
beautifulsoup4                       4.9.1
certifi                              2020.6.20
cffi                                  1.14.4
chardet                              3.0.4
cryptography                         3.3.1
deprecation                          2.1.0
distlib                              0.3.1
filelock                             3.0.12
future                               0.18.2
futures                              3.1.1
idna                                  2.10
isodate                              0.6.0
janus                                0.4.0
lxml                                  4.5.2
```

3. Skriv sedan **python --version** i terminalen:



```
PS C:\Users\epnda> python --version
Python 3.8.5
PS C:\Users\epnda>
```

4. Navigera till C: disken root:

```
PS C:\Users\epnda> cd ..  
PS C:\Users> cd ..  
PS C:\>
```

5. Skriv mkdir minMapp:

```
PS C:\> mkdir minMapp  
  
Directory: C:\  
  
Mode                LastWriteTime         Length Name  
----                -  
d-----          2021-01-25   15:17             minMapp  
  
PS C:\>
```

6. Installera Pipenv.. Skriv följande i terminal: **python -m pip install pipenv**

```
PS C:\> python -m pip install pipenv
```

7. När installationen är klar så navigerar du till minMapp **cd minMapp**:

```
PS C:\> cd .\minMapp\  
PS C:\minMapp>
```

8. Skapa en ny mapp (valfritt) och skriv sedan mkdir mittProjekt och navigera till den:

```
PS C:\minMapp> mkdir mittProjekt  
  
Directory: C:\minMapp  
  
Mode                LastWriteTime         Length Name  
----                -  
d-----          2021-01-25   15:22             mittProjekt  
  
PS C:\minMapp> cd .\mittProjekt\  
PS C:\minMapp\mittProjekt>
```

9. Skapa ditt projekt/python fil eller dra över en python fil. T.ex example.py till mittProjekt mappen.

10. Skapa sedan först din *environment* genom att skriva följande: **pipenv install**

```
PS C:\minMapp> cd .\mittProjekt\  
PS C:\minMapp\mittProjekt> pipenv install  
Creating a virtualenv for this project...  
Pipfile: C:\minMapp\mittProjekt\Pipfile  
Using C:/Users/epnda/AppData/Local/Programs/Python/Python38/python.exe (3.8.5) to create virtualenv...  
[ =] Creating virtual environment...created virtual environment CPython3.8.5.final.0-64 in 544ms  
creator CPython3Windows(dest=C:\Users\epnda\.virtualenvs\mittProjekt-DgDCiqVz, clear=False, no_vcs_ignore=False, global=False)  
seeder FromAppData(download=False, pip=bundle, setuptools=bundle, wheel=bundle, via=copy, app_data_dir=C:\Users\epnda\AppData\Local\pypa\virtualenv)  
added seed packages: pip==20.3.3, setuptools==51.3.3, wheel==0.36.2  
activators BashActivator,BatchActivator,FishActivator,PowerShellActivator,PythonActivator,XonshActivator  
  
Successfully created virtual environment!  
Virtualenv location: C:\Users\epnda\.virtualenvs\mittProjekt-DgDCiqVz  
Creating a Pipfile for this project...  
Pipfile.lock not found, creating...  
Locking [dev-packages] dependencies...  
Locking [packages] dependencies...  
Updated Pipfile.lock (db4242)!  
Installing dependencies from Pipfile.lock (db4242)...  
===== 0/0 - 00:00:00  
To activate this project's virtualenv, run pipenv shell.  
Alternatively, run a command inside the virtualenv with pipenv run.  
PS C:\minMapp\mittProjekt>
```

11. Sedan kör du kommandot: **pipenv shell**:

```
PS C:\minMapp\mittProjekt> pipenv shell  
Launching subshell in virtual environment...  
Windows PowerShell  
Copyright (C) Microsoft Corporation. All rights reserved.  
  
Try the new cross-platform PowerShell https://aka.ms/pscore6  
  
PS C:\minMapp\mittProjekt>
```

TADA!