

## SL 7 Exercise Python – Virtual Environment

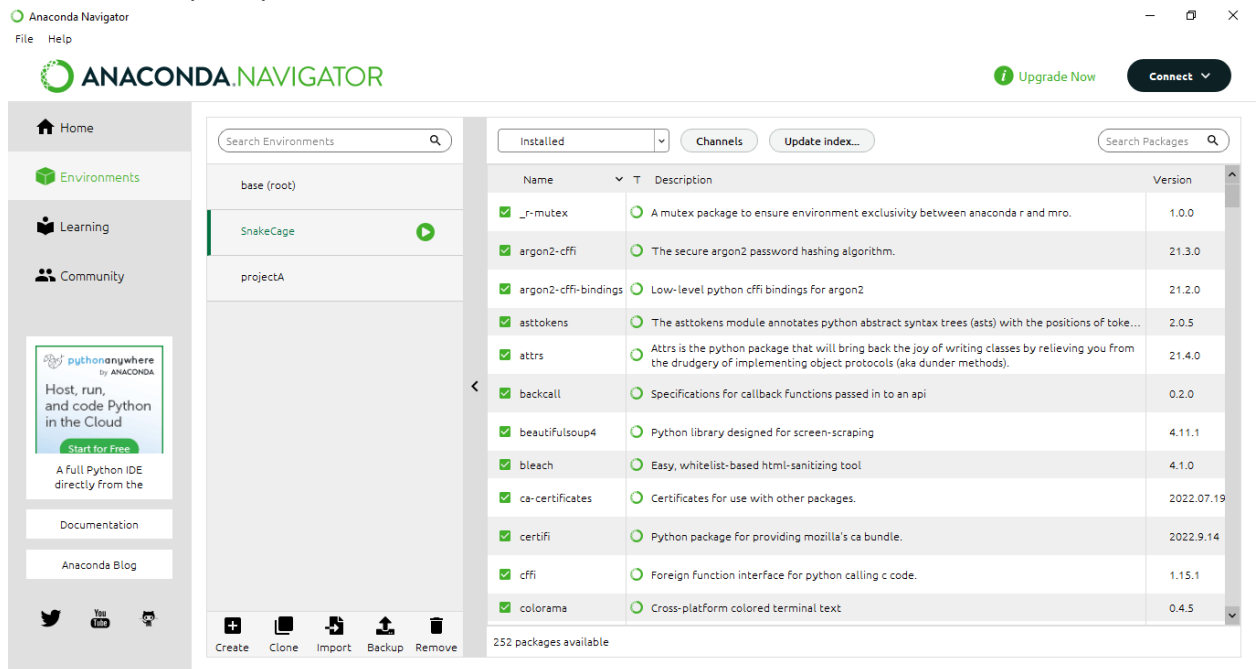
### 1. Tuliskan program menggunakan jupyter atau google colab

```
import os
from gtts import gTTS
from audioplayer import AudioPlayer

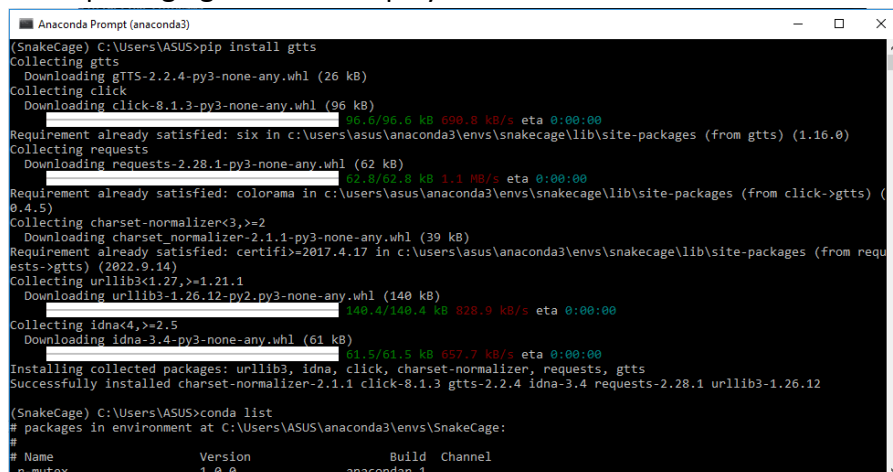
congrats = 'Selamat, anda telah berhasil mengelola sebuah environment'
language = 'id'
file_name = 'congratulation.mp3'

tts = gTTS(text=congrats, lang=language)
tts.save(file_name).play(block=True)
print(congrats)
```

### 2. Membuat environment baru dengan nama SnakeCage menggunakan Anaconda Navigator atau Comand prompt



### 3. Instal package gtts dan audioplayer



```
Anaconda Prompt (anaconda3)
winertstore 0.2 py39haa95532_2
winpty 0.4.3 4
zeromq 4.3.4 hd77b12b_0

(SnakeCage) C:\Users\ASUS>pip install audioplayer
Collecting audioplayer
  Downloading audioplayer-0.6-py3-none-any.whl (8.3 kB)
Installing collected packages: audioplayer
Successfully installed audioplayer-0.6

(SnakeCage) C:\Users\ASUS>conda list
# packages in environment at C:\Users\ASUS\anaconda3\envs\SnakeCage:
#
# Name Version Build Channel
_r-mutex 1.0.0 anaconda1_1
argon2-cffi 21.3.0 pyhd3eb1b0_0
argon2-cffi-bindings 21.2.0 py39h2bfff1b_0
asttokens 2.0.5 pyhd3eb1b0_0
attrs 21.4.0 pyhd3eb1b0_0
audioplayer 0.6 pypi_0 pypi
backcall 0.2.0 pyhd3eb1b0_0
beautifulsoup4 4.11.1 py39haa95532_0
bleach 4.1.0 pyhd3eb1b0_0
ca-certificates 2022.07.19 haa95532_0
certifi 2022.9.14 py39haa95532_0
cffi 1.15.1 py39h2bfff1b_0
charset-normalizer 2.1.1 pypi_0 pypi
click 8.1.3 pypi_0 pypi
colorama 0.4.5 py39haa95532_0
debugpy 1.5.1 py39hd77b12b_0
```

4. Membuka directory (path) program mycode.py pada terminal dan menjalankan program mycode.py melalui environment SnakeCage

```
(base) C:\Users\HP\project>
(base) C:\Users\HP\project>conda activate SnakeCage
(SnakeCage) C:\Users\HP\project>python MyCode.py
Selamat, Anda telah berhasil mengelola sebuah environment!
```

5. Menjalankan program menggunakan base

```
(SnakeCage) C:\Users\HP\project>conda activate base
(base) C:\Users\HP\project>python MyCode.py
Traceback (most recent call last):
  File "C:\Users\HP\project\MyCode.py", line 11, in <module>
    from gtts import gTTS
ModuleNotFoundError: No module named 'gtts'

(base) C:\Users\HP\project>_
```

6. Kesimpulan: saat program dijalankan menggunakan base maka akan terjadi error, karena pada base belum terinstall package gtts dan audioplayer, maka akan menjalankan sebuah program setiap package yang dibutuhkan harus diinstall terlebih dahulu.