Exercise 8

Membuat mp3 di python

- Tuliskan code dibawah dan simpan file dengan nama MyCode.py. Disini saya menggunakan Jupyter Notebook
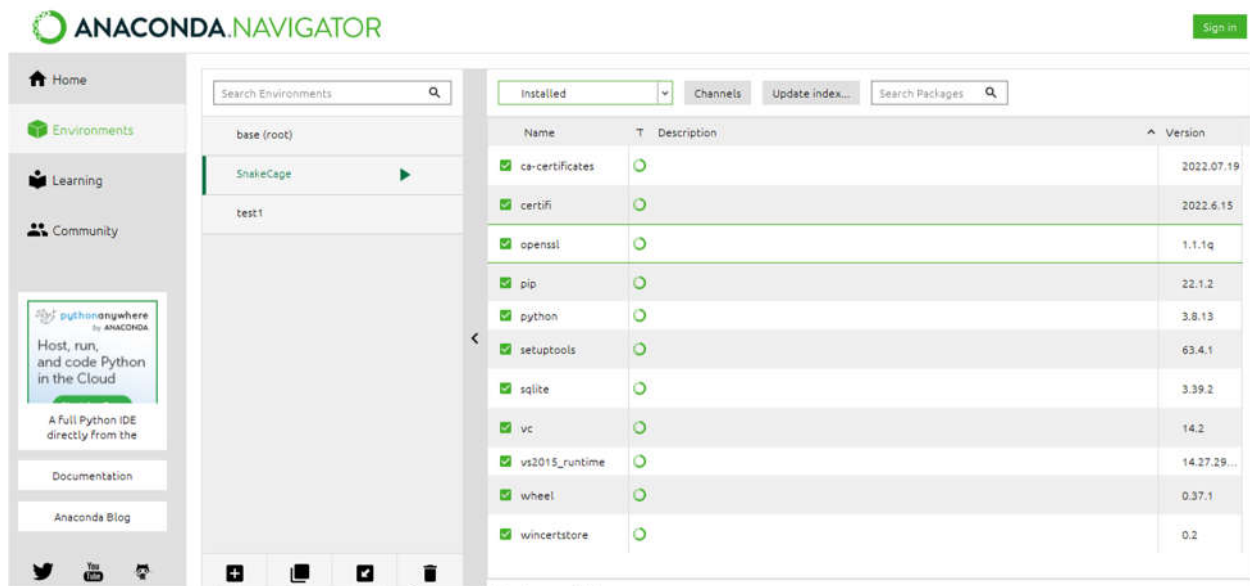
```
In [1]: import os
        from gtts import gTTS
        from audioplayer import AudioPlayer

In [2]: congrats = 'selamat, anda telah berhasil mengelola sebuah environtment'
        language = 'id'
        file_name = 'congratulation.mp3'

In [4]: tts = gTTS(text=congrats, lang=language)
        tts.save(file_name)
        AudioPlayer(file_name).play(block=True)
        print(congrats)

        selamat, anda telah berhasil mengelola sebuah environtment
```

- Buat environment baru dengan nama SnakeCage menggunakan anaconda navigator

- Aktifkan environment pada anaconda promt

- Install gtts dan audioplayer

```
(SnakeCage) C:\Users\LENOVO>pip install gtts
Collecting gtts
  Using cached gTTS-2.2.4-py3-none-any.whl (26 kB)
Collecting requests
  Using cached requests-2.28.1-py3-none-any.whl (62 kB)
Collecting click
  Using cached click-8.1.3-py3-none-any.whl (96 kB)
Collecting six
  Using cached six-1.16.0-py2.py3-none-any.whl (11 kB)
Collecting colorama
  Using cached colorama-0.4.5-py2.py3-none-any.whl (16 kB)
Collecting charset-normalizer<3,>=2
  Using cached charset_normalizer-2.1.1-py3-none-any.whl (39 kB)
Requirement already satisfied: certifi>=2017.4.17 in d:\anaconda\envs\snakecage\lib\site-packages (from requests->gtts) (2022.6.15)
Collecting urllib3<1.27,>=1.21.1
  Using cached urllib3-1.26.12-py2.py3-none-any.whl (140 kB)
Collecting idna<4,>=2.5
  Using cached idna-3.3-py3-none-any.whl (61 kB)
Installing collected packages: urllib3, six, idna, colorama, charset-normalizer, requests, click, gtts
Successfully installed charset-normalizer-2.1.1 click-8.1.3 colorama-0.4.5 gtts-2.2.4 idna-3.3 requests-2.28.1 six-1.16.0 urllib3-1.26.12

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

- Coba cek apakah sudah terinstall atau belum dengan cara conda list

```
(SnakeCage) C:\Users\LENOVO>conda list
# packages in environment at D:\Anaconda\envs\SnakeCage:
#
# Name                    Version                   Build  Channel
audioplayer               0.6                       pypi_0    pypi
ca-certificates           2022.07.19           haa95532_0
certifi                   2022.6.15        py38haa95532_0
charset-normalizer        2.1.1                     pypi_0    pypi
click                     8.1.3                     pypi_0    pypi
colorama                  0.4.5                     pypi_0    pypi
gtts                      2.2.4                     pypi_0    pypi
idna                      3.3                       pypi_0    pypi
openssl                   1.1.1q               h2bbff1b_0
pip                       22.1.2           py38haa95532_0
python                    3.8.13               h6244533_0
requests                  2.28.1                    pypi_0    pypi
setuptools                63.4.1           py38haa95532_0
six                       1.16.0                    pypi_0    pypi
sqlite                    3.39.2               h2bbff1b_0
urllib3                   1.26.12                   pypi_0    pypi
vc                        14.2                 h21ff451_1
vs2015_runtime            14.27.29016          h5e58377_2
wheel                     0.37.1             pyhd3eb1b0_0
wincertstore              0.2              py38haa95532_2
```

- Masuk ke folder dimana MyCode.py disimpan dan jalankan dengan python namafile.py

```
D:\
(SnakeCage) C:\>cd C:\Users\LENOVO\Downloads

(SnakeCage) C:\Users\LENOVO\Downloads>python MyCode.py
selamat, anda telah berhasil mengelola sebuah environtment
```

- Coba dengan environment base

```
(SnakeCage) C:\Users\LENOVO>conda activate base

(base) C:\Users\LENOVO>cd C:\Users\LENOVO\Downloads

(base) C:\Users\LENOVO\Downloads>python MyCode.py
selamat, anda telah berhasil mengelola sebuah environtment
```

- Kesimpulannya:

Pada python, kita bisa membuat atau mengubah sebuah text menjadi suara dengan mengetikkan Package yang digunakan untuk membuat sebuah mp3 atau lagu dari python menggunakan gtts dan audioplayer