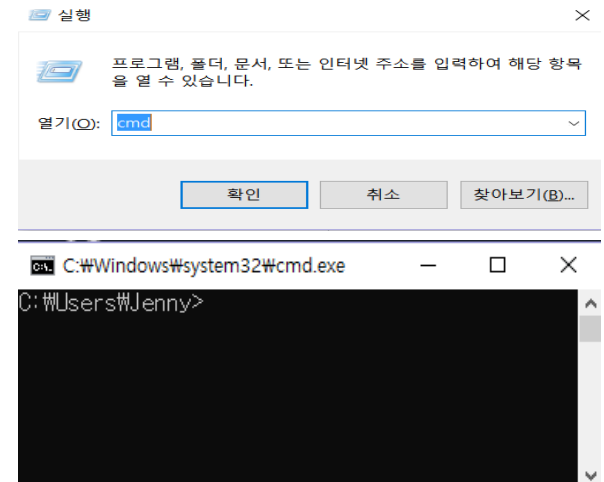# SIT32004
ICT Application Development

Kivy Installation

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Kivy Setup

- Python Installation
  - Requirements
    - » For windows : 3.7.x
    - » For OSX: 3.6.x

- Windows
  - **Command line**
    1) **press Win+R on your keyboard**
    2) **type cmd in the window that opens**
    3) **press enter.**
  - You should open the command line as Administrator privilege

Kivy Installation (1/2)

- Check Python version

    1) open the **Command line**

    2) make sure python is available by typing **python –version**

    ```
    C:\Users\Jenny\AppData\Local\Programs\Python\Python36>python --version
    Python 3.6.8
    ```

- Ensure you have the latest pip and wheel:
    3) Type **python -m pip install --upgrade pip wheel setuptools**

    ```
    C:\Users\Jenny\AppData\Local\Programs\Python\Python36>python -m pip install --upgrade pip wheel setuptools
    Requirement already up-to-date: pip in c:\users\jenny\appdata\local\programs\python\python36\lib\site-packages (19.0.3)
    Collecting wheel
      Downloading https://files.pythonhosted.org/packages/96/ba/a4702cbb6a3a485239fbe9525443446203f00771af9ac000fa3ef2788201
    /wheel-0.33.1-py2.py3-none-any.whl
    Collecting setuptools
      Using cached https://files.pythonhosted.org/packages/d1/6a/4b2fcefd2ea0868810e92d519dacac1ddc64a2e53ba9e3422c3b62b378a
    6/setuptools-40.8.0-py2.py3-none-any.whl
    Installing collected packages: wheel, setuptools
      Found existing installation: setuptools 40.6.2
        Uninstalling setuptools-40.6.2:
          Successfully uninstalled setuptools-40.6.2
    Successfully installed setuptools-40.8.0 wheel-0.33.1
    ```

Kivy Installation (2/3)

- Install the dependencies:
  - Type **python -m pip install docutils pygments pypiwin32 kivy.deps.sdl2 kivy.deps.glew**

<Note>

If you encounter a MemoryError while installing, add after pip install an option **–no-cache-dir**.

Kivy Installation (3/3)

- Type **python -m pip install kivy**

- Note
  - If you encounter any permission denied errors, try opening the Command prompt as administrator and trying again.

Kivy Installation for Mac (1/2)

- To install Kivy, you must install [Homebrew](#) first

  $ /usr/bin/ruby -e "$(curl –fsSL https://raw.githubusercontent.com/Homebrew/install/master/install)"

  ```
  Jennyui-iMac:~ jenny$ /usr/bin/ruby -e "$(curl –fsSL https://raw.githubuserconte
  nt.com/Homebrew/install/master/install)"
  ```

  – Install the requirements using homebrew:

  $ **brew install pkg-config sdl2 sdl2_image sdl2_ttf sdl2_mixer gstreamer**

  – Install Cython and Kivy using pip:

  $ pip install Cython==0.26.1

  $ pip install kivy

Kivy Installation for Mac (2/2)

- To test if it worked:

  1) Open **Terminal.app**

  2) Type **python (**if you have both python2 and python3 downloaded, type python3)

```
[Jennyui-iMac:~ jenny$ python3
Python 3.6.8 (v3.6.8:3c6b436a57, Dec 24 2018, 02:04:31)
[GCC 4.2.1 Compatible Apple LLVM 6.0 (clang-600.0.57)] on darwin
Type "help", "copyright", "credits" or "license" for more information.
[>>> import kivy
[INFO   ] [Logger      ] Record log in /Users/jenny/.kivy/logs/kivy_19-03-08_2.t
xt
[INFO   ] [Kivy        ] v1.10.1
[INFO   ] [Python      ] v3.6.8 (v3.6.8:3c6b436a57, Dec 24 2018, 02:04:31)
[GCC 4.2.1 Compatible Apple LLVM 6.0 (clang-600.0.57)]
>>> 
```

  3) If you have similar result as above picture, then you're done.