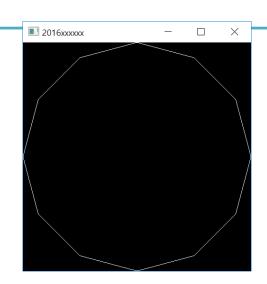
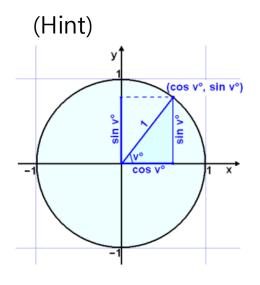
## Daily Assignment 4

# Check next slides for how to submit!

- Write down a Python program to draw a regular 12-sided polygon (dodecagon, 정12 각형).
  - Use np.linspace() (or np.arrange()), np.cos(), np.sin() to compute the positions of vertices
  - Do not hardcode the position of each vertex
- Set the window title to your student number.
- Set the window size to (480,480).
- The 12 vertices should be specified counterclockwise starting from the vertex on the x-axis.





## Daily Assignment 4

- If the keys 1, 2, 3, ... 9, 0 are entered, the primitive type should be changed.
  - Hint: Use a global variable to store the primitive type

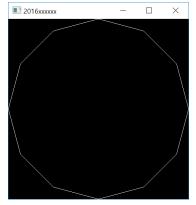
•	Global	variables	in	Python
---	--------	-----------	----	--------

 https://www.geeksforgeeks.org/ global-local-variables-python/ for more information

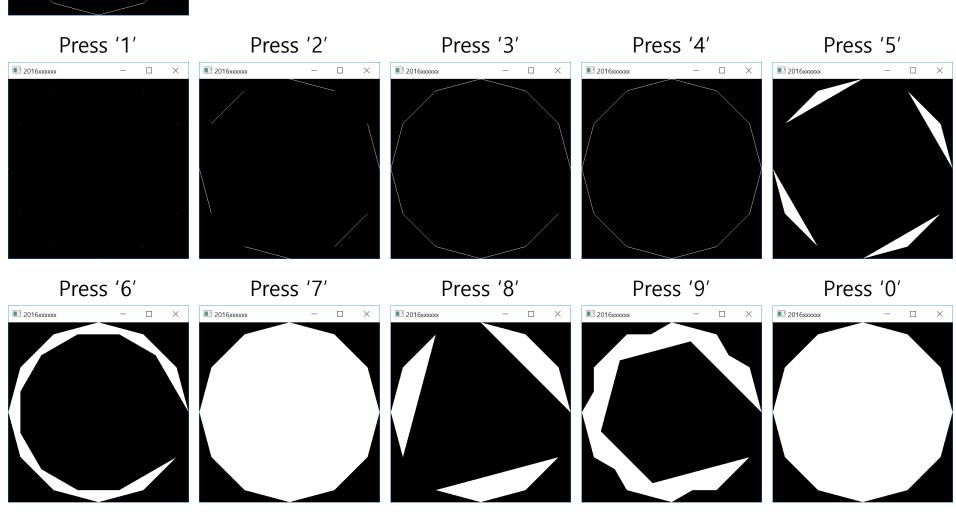
Key	Primitive Type
1	GL_POINTS
2	GL_LINES
3	GL_LINE_STRIP
4	GL_LINE_LOOP
5	GL_TRIANGLES
6	GL_TRIANGLE_STRIP
7	GL_TRIANGLE_FAN
8	GL_QUADS
9	GL_QUAD_STRIP
10	GL_POLYGON

```
# This function modifies global variable 's'
def f():
    global s
    print s
    s = "Look for Geeksforgeeks Python Section"
    print s

# Global Scope
s = "Python is great!"
f()
print s
```



When the program starts



### **How to Submit**

- What you have to submit:
  - Only one .py file: main.py

Write down all your code to main.py

• | > py -3 main.py | Or | \$ python3 main.py | should show your glfw window.

### **How to Submit**

• Submit your assignment only through the Assignment (과제) menu of the lecture home at portal.hanyang.ac.kr.

 Recommended due date: Today's lecture end time

(Hard due date: 23:59 Today)