



Tutorial

CPSC 217

SimpleGraphics Library

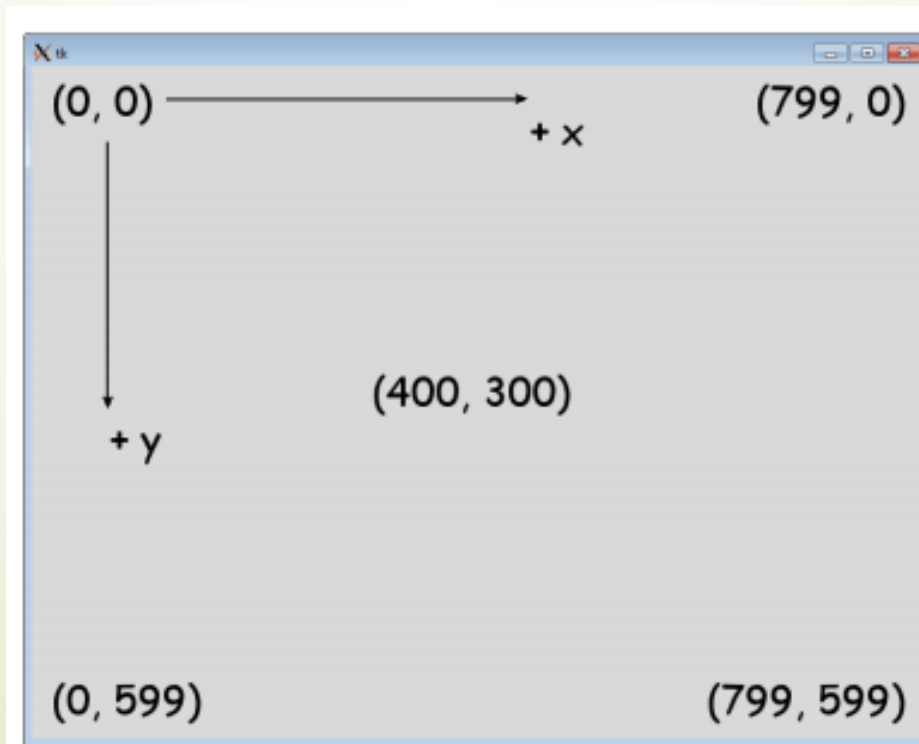
- A custom Python library designed to make graphics in Python as simple as possible.
- You must download the SimpleGraphics library before you can use it in your programs. Save **SimpleGraphics.py** in the same folder as the program you are creating.
- Your program must import the SimpleGraphics library before using it. **Adding the following line of code to the top** of your file will import all of the functions stored in the library, allowing you to call them directly.

```
from SimpleGraphics import *
```

[Download **SimpleGraphics.py**, **SG_tutorial.pdf** and **week_2_tut_2.pdf** from my website]

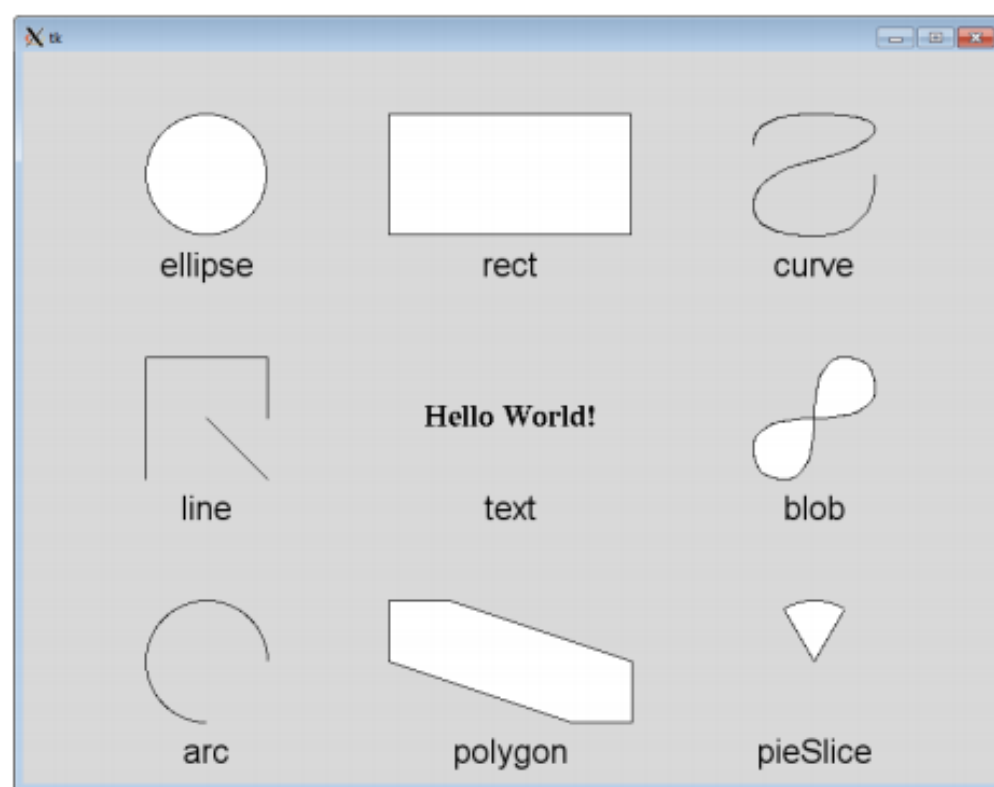
Coordinate system

- 800 pixels wide and 600 pixels tall (default)
- Its not fixed, you can change it



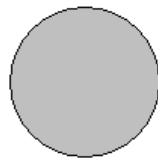
Graphics Primitives

- Nine shapes/geometric objects
- Text also

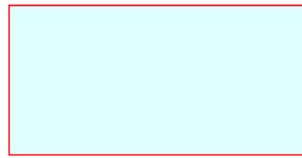


Graphics Primitives

- You can fill them with colors
- Background, outlines, Fill



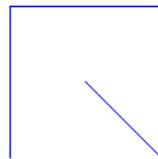
ellipse



rect



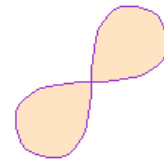
curve



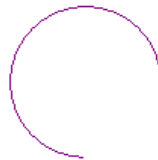
line

Hello World!

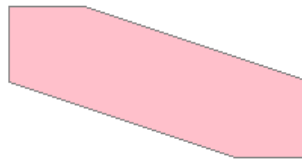
text



blob



arc



polygon



pieSlice




Try following shapes today:

Recreate following shapes as like the previous slide

- Line
 - Rectangle
 - Polygon
 - Ellipse
 - Arc
 - Pie Slice
- 



Next Class or Home work

- Curve
 - Blob
 - Text
- 



My PPT slides

- ▶ You can find my created PPT slides at the following link:

<https://sites.google.com/site/samicsemist/change-the-banner/cpsc217fall16>