Tutorial

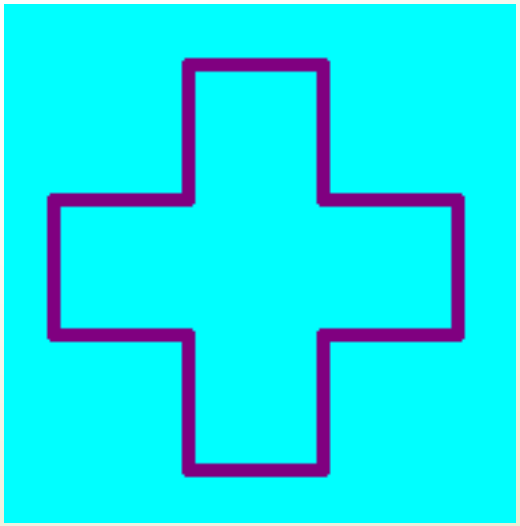
CPSC 217

Hello….

- Download SG_2.pdf, sg_code1.py and shapes_test.py from my website.

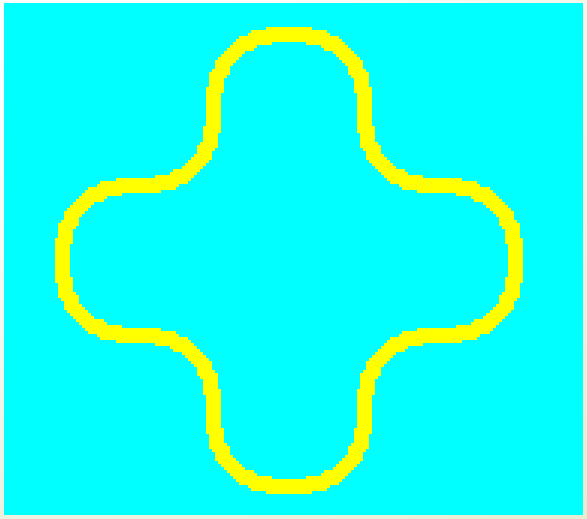
Line

- How many points needed to draw the following shape using line?
  - 13 points
  - Can you do it with polygon. (Answer is YES)
  - Then what are the differences between line and polygon?

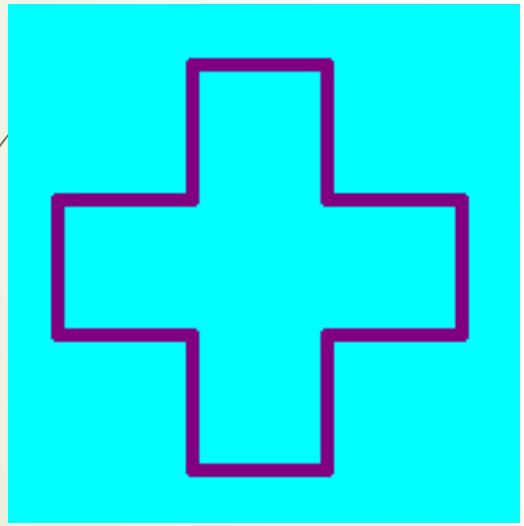


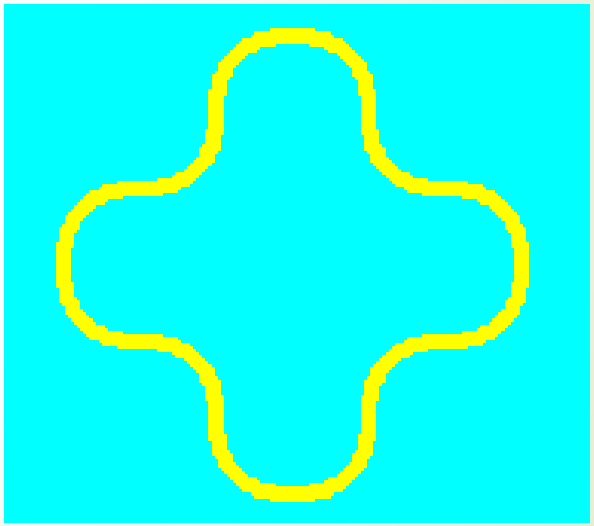
Curve

- How many points needed to draw the following shape using curve?
  - 13 points
  - Can you do it with blob. (Answer is YES)
  - Then what are the differences between curve and blob?



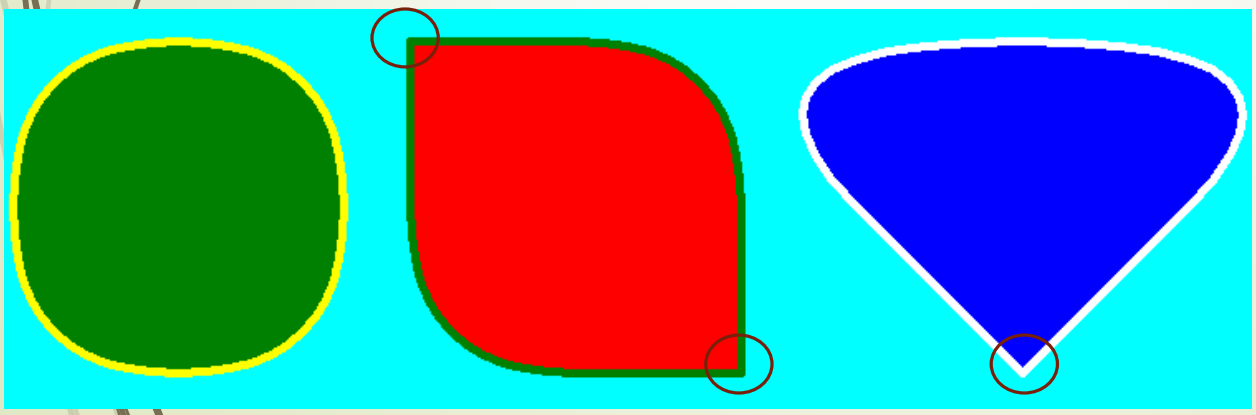
Line vs Curve

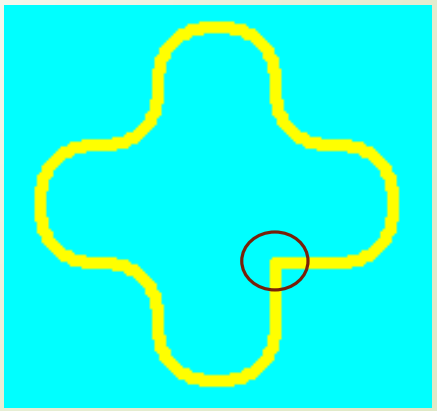




Blob

- Similar to curve
  - But automatically connect the first point and the last point
  - You can put different fill colors
- Repeating a point in the blob's point list will ensure that the edge of the blob passes through that point (Also same in curve).





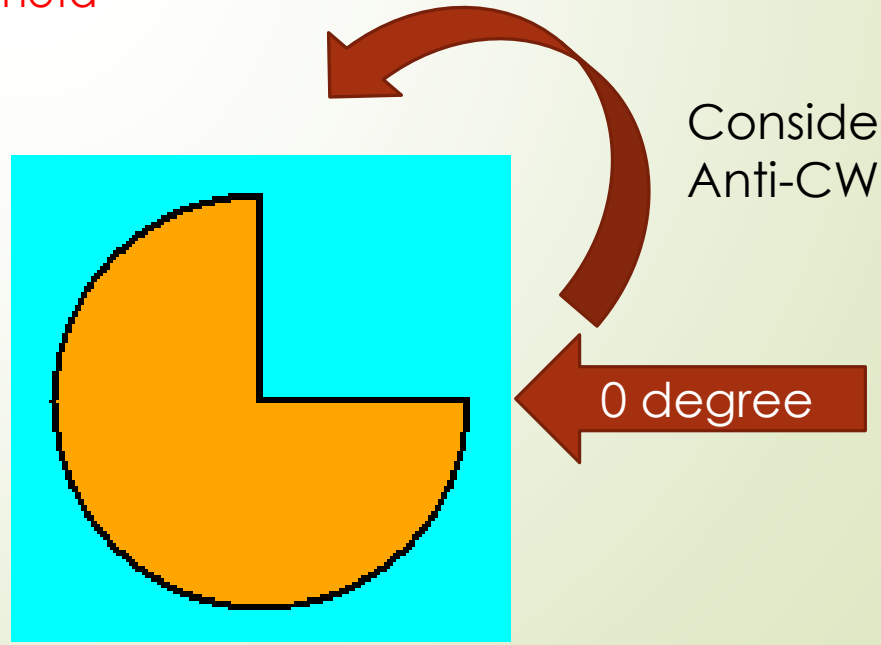
Text

- Where is the anchor point?
  - text(x, y, "Hello World!", "c")
  - text(x, y, "Hello World!", "e")
  - text(x, y, "Hello World!", "ne")
  - text(x, y, "Hello World!", "ws")

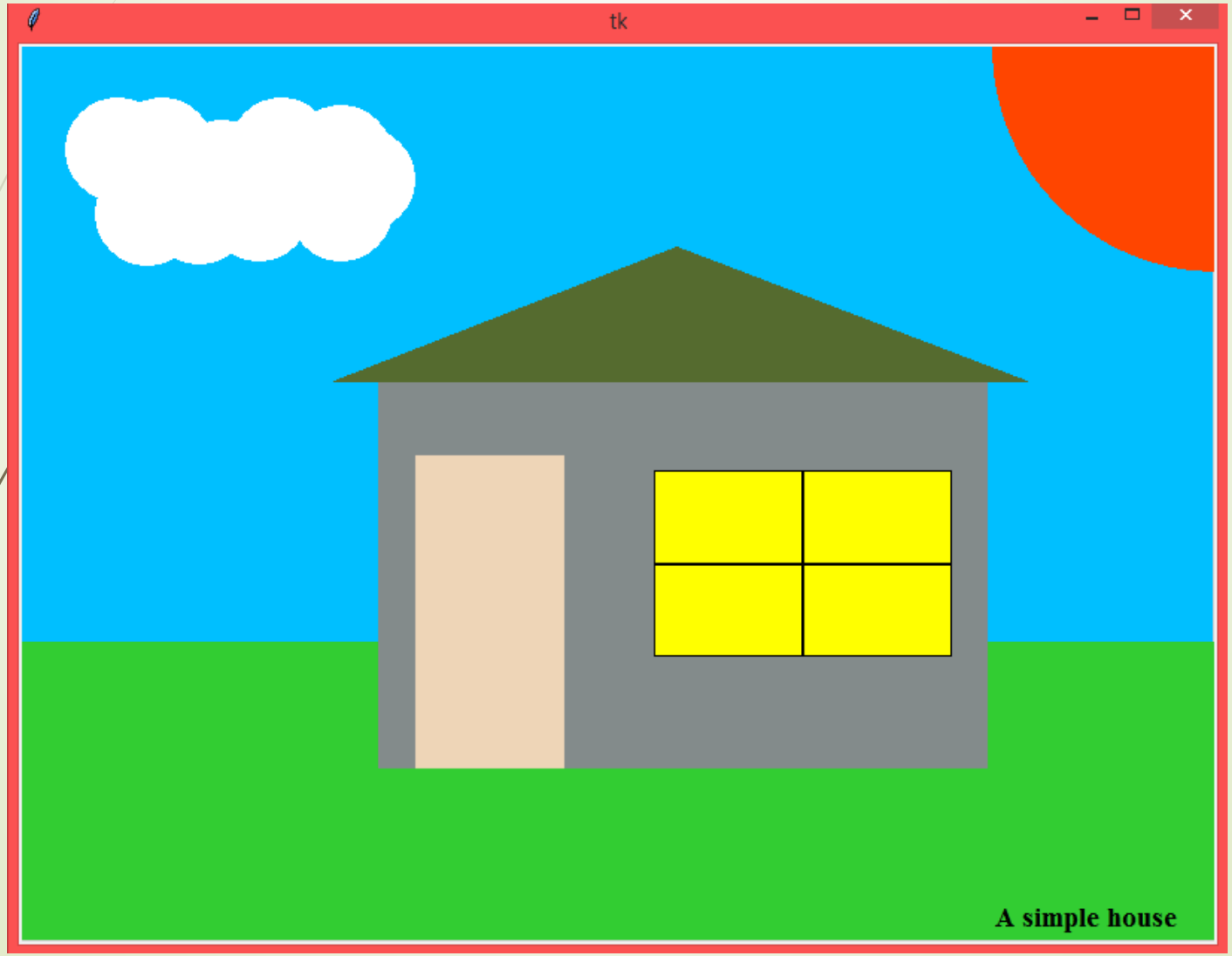
Pie Slice

- pieSlice(x,y,w,h, start_theta, offset_theta)
  - (x, y) is the top left coordinate of the bounding box
  - (w,h) is the width-height of the bounding box
  - start_theta is the start angle and offset_theta is the offset angle from start_theta

pieSlice(x,y,130,130,90,270)



Example Art



My PPT slides

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

https://sites.google.com/site/samicsemist/cpsc217win16