

My code:

```
from Myro import *
```

```
init("com4")
```

```
from Graphics import *
```

```
win = Window('Draw What You Want', 500, 500)
```

```
background = makePicture("shapes.png")
```

```
background.draw(win)
```

```
# Run a loop while the window is open to keep getting where the user clicks to draw shapes
```

```
while win.isVisible():
```

```
    # Wait for them to click, and store the x and y coordinates of their click in x and y
```

```
    x, y = getMouse()
```

```
    # Now analyze where they clicked by checking x and y location, and draw appropriate shape
```

```
    if x < 250 and y < 250:
```

```
        print('Drawing a Heart')
```

```
        motors(0,0.5)
```

```
        wait(3)
```

```
        forward(0.5,0.5)
```

```
        turnLeft(0.5,.45)
```

```
        forward(0.5,0.5)
```

```
motors(0,0.5)

wait(3)

stop()

elif x >= 250 and y < 250:

    print('Drawing a Circle')

    motors(.1,.8)

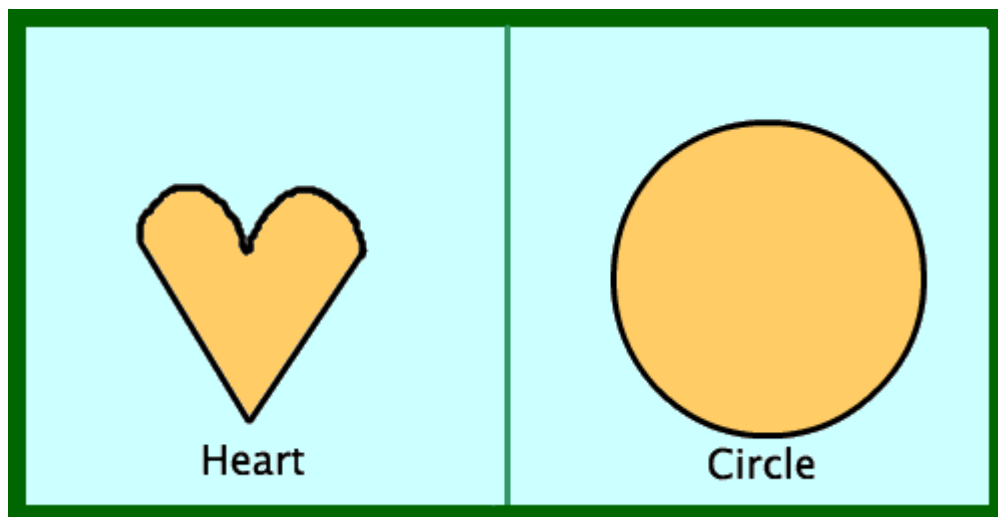
    wait(4)

    stop()

# Wait a small amount before checking again

wait(0.05)
```

Besides that you need to put this picture along with the file itself in the Calico folder.



I used one of the ideas of the videos to make this program, although I changed the shapes and timings a little bit. More to this I felt the triangle and square have less popularity so I limited the selectable shapes to heart and circle.

Feedback:

I like the way that people were interested in putting these shapes on their T-Shirts. I think people liked it because it was a robot sketching something that was based on their preference shape. If I knew people are interested in putting more of these shapes on their T-Shirts I would put more options like LA or USC or even Hollywood signs.

My team and I also decorated the robot with pipe cleaners to make it look like a ladybug so kids feel more connected to the robot.

Some ideas about the robot:

I think the robot performs very different in each run time. Besides this, the same code runs very differently on different robots. I actually tested one of my friends code on my robot and almost a very different shape was sketched by my robot. It would be very good if we had a more robust robot because then we wouldn't need to rescale the robot every other 10 minutes or so.