In-Class Programming Activity, Day 4

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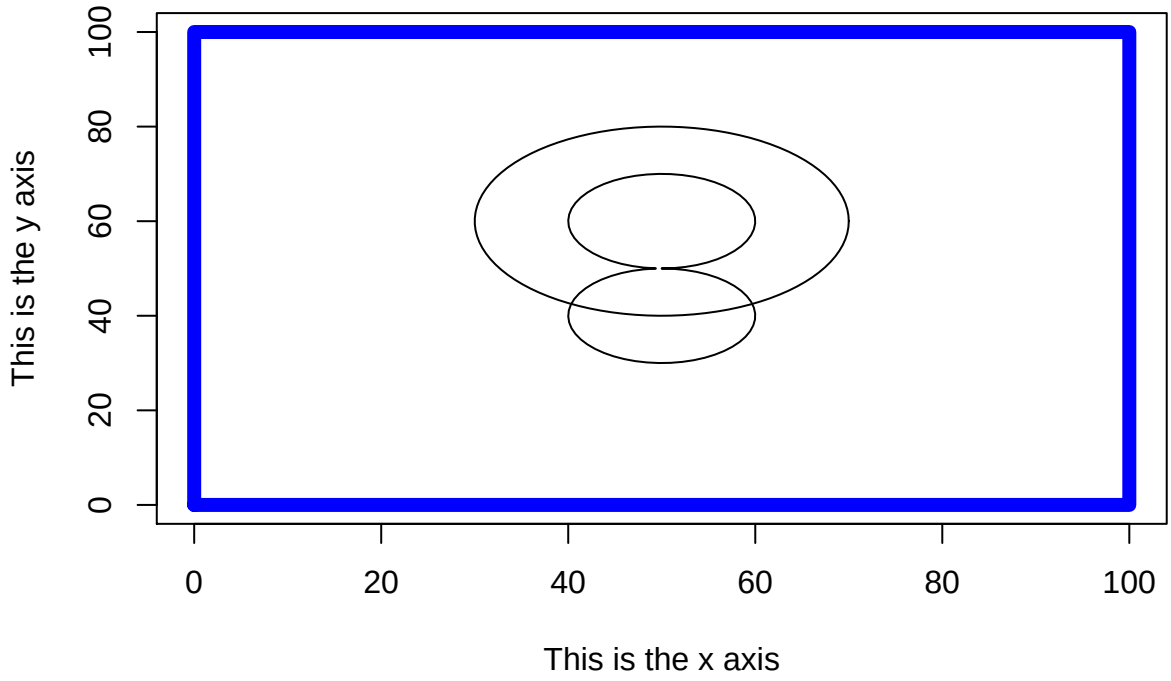
```
# Task 1

plot(1, xlim = c(0, 100), ylim = c(0,100), type = "n", xlab = "This is the x axis", ylab = "This is the


# Task 2

x1 <- (c(0,100, 100, 0))
y1 <- (c(0, 0, 100, 100))

x2 <- (c(0, 100, 100, 0, 0))
y2 <- (c(0, 0, 100,100, 0))

lines(x1, y1)
lines(x2, y2, col = "blue", lwd = 7)

# Task 3

angles <- seq(0, 2 * pi, length = 100)
x3 <- 50 + 20 * cos(angles)
y3 <- 60 + 20 * sin(angles)

lines(x3, y3)
# Task 4

x4 <- 50 + 20 * abs(sin(angles)) * cos(angles)
y4 <- 50 + 20 * abs(sin(angles)) * sin(angles)

polygon(x4, y4)
```




```
# Task 5
# Done above
```

Test statements

```
scoreActivity::score253(4)
```

```
## --------
## Running test statements for day  04
## Loading required package: scoreActivity
## Loading required package: lazyeval
## passed: object "x1" exists
## passed: object "y1" exists
## passed: diff(range(x1)) == diff(range(y1))
## passed: length(x2)
## passed: object "x3" exists
## passed: mean(x3)
## passed: mean(y3)
## passed: diff(range(x3))
## passed: object "x4" exists
## passed: object "y4" exists
```