**CODE:**

```python
a = 3
b = 4
c = 5

if a < b:
    print('1.OK')
if c < b:
    print('2.OK')
if a + b == c:
    print('3.OK')
if (a**2) + (b**2) == (c**2):
    print('4.OK')

# Exercise 2

a = 3
b = 4
c = 5

if a < b:
    print('1.OK')
else:
    print('1.NOT OK')
if c < b:
    print('2.OK')
else:
    print('2.NOT OK')
if a + b == c:
    print('3.OK')
else:
    print('3.NOT OK')
if (a**2) + (b**2) == (c**2):
    print('4.OK')
else:
    print('4.NOT OK')

#Exercise 3

color = input('Enter a color: ')
width = input('Enter the line width: ')
length = input('Enter the line length: ')
shape = input('Choose a line, triangle, or square: ')
```

```python
width2 = int(width)
length2 = int(length)

import turtle
the_screen = turtle.Screen()
turtle = turtle.Turtle()
turtle.color(color)
turtle.width(width2)

if shape == 'triangle':
    turtle.forward(length2)
    turtle.right(120)
    turtle.forward(length2)
    turtle.right(120)
    turtle.forward(length2)
    turtle.right(120)
elif shape == 'square':
    turtle.forward(length2)
    turtle.right(90)
    turtle.forward(length2)
    turtle.right(90)
    turtle.forward(length2)
    turtle.right(90)
    turtle.forward(length2)
    turtle.right(90)
else:
    turtle.forward(length2)
```