turtle.turtlesize() function in Python

The turtle module provides turtle graphics primitives, in both object-oriented and procedure-oriented ways. Because it uses Tkinter for the underlying graphics, it needs a version of Python installed with Tk support.

turtle.turtlesize()

This function is used to return or set the pen's attributes x or y-stretchfactors and outline.

Syntax :

turtle.turtlesize(stretch_wid=None, stretch_len=None, outline=None)

Parameters:

Arguments	Value Type	Description
stretch_wid	positive number	stretchfactor perpendicular to orientation
stretch_len	positive number	stretchfactor in direction of turtles orientation
outline	positive number	determines the width of the shapes's outline

Below is the implementation of the above method with some examples :

Example 1 :

```
# import package

import turtle

# set turtle

turtle.speed(1)

turtle.shape("turtle")

turtle.fillcolor("blue")


# loop for motion
```

```
for i in range(4):
        # set turtle width
        turtle.turtlesize(stretch_wid=(i+1)*0.5)
        turtle.forward(100)
        turtle.right(90)
```

Example 2 :

```
# import package
import turtle
# set turtle
turtle.speed(1)
turtle.shape("turtle")
turtle.fillcolor("blue")
# loop for motion
for i in range(4):
        # set turtle length
        turtle.turtlesize(stretch_len=(i+1)*0.5)
        turtle.forward(100)
        turtle.right(90)
```

Example 3 :

```
# import package
import turtle
# set turtle
turtle.speed(1)
turtle.shape("turtle")
```

```
turtle.fillcolor("blue")
# loop for motion
for i in range(4):
        # set turtle outline
        turtle.turtlesize(outline=i+1)
        turtle.forward(100)
        turtle.right(90)
```

Example 4 :

```
# import package
import turtle
# set turtle
turtle.speed(1)
turtle.shape("turtle")
turtle.fillcolor("blue")

# loop for motion
for i in range(4):

        # set turtlesize properties all together
        turtle.turtlesize(stretch_wid=(i+1)*0.5, stretch_len=(i+1)*0.5,
outline=(i+1) )
        turtle.forward(100)
        turtle.right(90)
```