```
import range on operation in the control of the con
11
a massemantion matrices
of tresslating matrix(to, ty):
matrix(to, ty):
(5, 0, tx);
(6, 1, ty);
(8, 0, 1)
))
off soling matrix(to, sy):
return my.ermy((
[ts, 0, 0];
[tb, v, 0];
])
))
(i) is dis-
(ii) in the control of t
   of thering matrix(sh.s., sh.y):
return sh.drosy((
[1, 5, 1], 8],
[8, 9, 1]
])
# Apply and plot all transformations
transformed translation = apply transformation(object_coomis, translation)
plot_transformation(object_coomis, transformed_translation, "Translation (2, 3)")
   transformed_scaling = spsty_transformation(object_toords, scaling)
plot_transformation(object_toords, transformed_scaling, "Scaling (2s, 2y)")
       transformed_rotation = spply_transformation(object_counds, rotation)
plot_transformation(object_counds, transformed_rotation, "Notation (45")")
       transfermed_reflection = apply_transfermation(object_coords, reflection_k| plot_transfermation(object_coords, transfermed_reflection, "Reflection (x-axis)")
       transfered_shearing = apply_transferention(object_coards, shearing)
plot_transferention(object_coords, transferenct_chearing, "Shearing (ix, 0y)")
       transferred_composite = apply_transferration(object_coords, composite_transferration)
plot_transferrantion(object_coords, transferrance_composite, "Composite Transferration: Scaling + Retation")
          æ
                                                                                                                                                                                                Translation (2, 3)
                                4.0
3.5
3.0
2.5
> 2.0
1.5
0.0
                                                                                                                                                                              1.0 1.5 2.0 2.5 3.0
X
Scaling (2x, 2y)
                     Rotation (45*)

Original Object
Transformed Object
                             Reflection (x-axis)
                                    100
0.75
0.50
0.25
> 0.00
-0.25
-0.50
-0.75
                                        000 023 030 0.75 1.00 129 150 1.75 2.00
                                                                                                                        -1.0 -0.5 0.0 0.5 1.0
   import cwl
import namey as np
import matglotlib.pyplet as plt
# Function to display images
of display image(title, image)
pl.(figure) figure(s, 0)
pl.timbtes(cvi.crticovinage, cr2.00.00_GG2863)
pl.title(figure)
pl.title(figure)
pl.title(figure)
pl.title(figure)
   participants of Longo insector's DAGG, page * Amplace with the path to your image insector-monoglogate path) display_Dange (TO-Lighted Longo", image)
displaying Volgen (sept., hop).

Sings Franklind.

of Version, long-long, to, ty)

rest, this long-sept.

version (long-sept.)

vers
onplay mage (remained lange, (retained) at lange teleption of reflection of reflect [mage] [mage, actio*x');

reflected image = cc.flp(image, 0) atls and s = y');

reflected image = cc.flp(image, 1) also = 6 both mass
reflected image = cc.flp(image, 4) retain reflected [mage]
```

referred a vertical (langellings, pairs **) is ferrite seem the semb distillation (langelling lines) and possibly of referred in the semb distillation (langelling lines) and pairs (langelling lines) and lines) and lines (langelling lines) and lin # Tongs Starting its -mix of Mars_Inne_Closes; None_Inter); der_Inne_Closes; None_Inter); der_Inne_Closes; None_Inter(Inne_Inter); der_Inne_Closes; None_Inter(Inne_Inter); der_Inne_Closes; None_Inter(Inne_Inter); der_Inne_Closes; None_Inter(Inne_Inter); der_Inne_Closes; None_Inter(Inne_Inter); cheare(x = chear_inage_x(inage, 0.5) = Smear by 0.5 along the x-sais displacinage("sheared inage (x-mais)", sheared_x)

Object_Seller(Tween Base (1-colin)*, none_U)

**Logs favine (in p. none_Letter)

or these_none_letter, none_Letter)

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therefore, none_Letter()

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