In the first lecture we used DrRacket interactively in the Interactions area:

Welcome to DrRacket, version 6.2.1 [3m].
Language: Intermediate Student; memory limit: 4096 MB.
>
That ">" means DrRacket is waiting for us to enter an expression.

What will DrRacket say when we enter:
> 123

What will DrRacket say when we enter:
> *

If we now enter the following we get an error message:
> scale
  scale: this variable is not defined

But we did use the scale operation in lecture, for example:

> (scale 2
  scale: this function is not defined

That still says DrRacket is not recognizing the word 'scale'. What did I forget to enter?

Now if we enter the word 'scale' what will DrRacket say:
> scale

To perform an operation we gather the operation and the things to operate on inside parentheses. The operation is always the first word. We also separate words [including numbers and images] with single spaces:

> (scale 2

What will DrRacket say when we enter:
> scale 2
If I enter the following I get an error message:
> (2 + 3)
  function call: expected a function after the open parenthesis, but found a number

What mistake did I make? How do we add 2 and 3?
>

The operation that multiplies numbers is called '*'. Use it to multiply 123 and 104:
>

If I enter the following I get an error message:
> (*2 3)
  *2: this function is not defined

What mistake did I make?

There is an operation that squares a number, called 'sqr'.
If I enter the following I get an error message:
> (sqr(3))
  function call: expected a function after the open parenthesis, but found a number

What mistake did I make? How would you use 'sqr' to square the number 3:
>

What could we enter to have DrRacket add 2 and 3 and then square that?
>

What could we enter to have DrRacket square 2 and 3, and then add the squares?
>

Here are some more image functions being used:

> (flip-vertical)

> (flip-horizontal)

> (beside)

> (above)

> (rotate 90)

> (rotate -45)