



The image shows a side-by-side comparison of a Ruby script and its execution output. On the left, a code editor displays a Ruby script with line numbers 1 through 24. The script defines a function `def foo(x, y)` that prints the arguments, calculates `x + y`, and returns the result. It then calls `foo(8, 'schmoodle')` and prints the result. On the right, a terminal window shows the command `dave@mylinuxmachine:~$ cd code/` followed by `dave@mylinuxmachine:~/code$ ruby function.rb`. The output of the script is displayed in the terminal, showing the arguments, the calculation, and the final result.

```
1 def foo(x, y)
2   puts "The first argument was #{x}, and the second was #{y}"
3   result = x + y
4   return result
5 end
6
7 # Call the function with arguments
8 puts "Now we call foo(8, 'schmoodle')"

```
dave@mylinuxmachine:~$ cd code/
dave@mylinuxmachine:~/code$ ruby function.rb
The first argument was 8, and the second was schmoodle
Now Val is 42
dave@mylinuxmachine:~/code$
```


```

Figure 1: image of ruby