

Turtle



Figure 1: Teenage Mutant Ninja Turtles

Turtle is a python module, it allows you to draw shapes on the screen. You control a cursor that you can move with the commands:

```
import turtle

turtle.forward(10) # 10 moves forward
turtle.backward(10) # 10 moves backward
turtle.left(90) # rotates 90 degrees cursor left
turtle.right(90) # clockwise

turtle.penup () # cursor up
turtle.pendown () # cursor down
```

Here is an example of a program drawing a square:

```
import turtle
turtle.forward (100)
turtle.left (90)
turtle.forward (100)
turtle.left (90)
turtle.forward (100)
turtle.left (90)
turtle.forward (100)
turtle.left (90)
```

A bit of style

You can customize your designs with different functions:

```
turtle.speed(speed) # changes the cursor speed  
turtle.pensize(size) # changes the size of the line  
turtle.pencolor(red, green, blue)  
# each component is between 0 and 1
```

Installation

```
sudo apt-get install python python-tk
```