

PYTHON REPL



DESCRIPTION

The original computer interface.

RECEIVES text from keyboard

EVALUATES text as instructions

PRINTS the result

LOOPS back to receiving instructions.

Hence **R E P L**

CONNECTING TO REPL

From a Terminal on a laptop

Type **vanguard shell** and press enter

Press **CTRL+C** to get a **>>>** prompt

Launching Miniterm to connect to Vanguard Python

```
--- Miniterm on /dev/ttyUSB0 115200,8,N,1 ---  
-- Quit: Ctrl+] | Menu: Ctrl+T
```

```
>>>
```

```
4+4  
8  
>>>
```

Type **4+4** at the prompt, press **Enter**.
Evaluating this expression results in the value 8. After printing **8** the REPL loops back to showing the **>>>** prompt

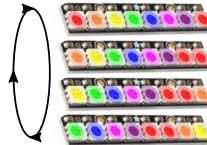
```
rainbow()  
>>>
```

Type **rainbow()** at the prompt, press **Enter**.
The display shows a spectrum of colours.
The prompt is ready for another instruction



```
rotateSpectrum()
```

Type **rotateSpectrum()** and press **Enter** to trigger an animated rainbow. It won't prompt for another instruction while it is busy.



```
>>>
```

Press **CTRL+C** to stop the animation and get back to the prompt