

Using PyGal Library

-Open Terminal and switch from pi to root user

```
sudo su
```

-Enter the following commands one by one on the terminal to download required packages:

```
apt-get install python-pip
```

```
apt-get install libxml2-dev libxslt1-dev gcc
```

```
apt-get install python3-lxml
```

```
apt-get install python2.7-dev
```

```
pip install pygal
```

-When done with downloading the packages, switch back to user pi by typing (it may ask for password for user pi)

```
su pi
```

-Create new .py file

```
Sudo nano pygaltry.py
```

-Paste the following code:

```
import pygal
```

```
VAL1 = 12.6
```

```
VAL2 = 6.6
```

```
VAL3 = 8.6
```

```
VAL4 = 15.7
```

```
VAL5 = 2.2
```

```
gauge = pygal.SolidGauge( half_pie=True, inner_radius=0.70,  
style=pygal.style.styles['default'](value_font_size=10))
```

```
percent_formatter = lambda x: '{:.10g}%'.format(x)
```

```
gauge.value_formatter = percent_formatter
```

```
gauge.add('Series 1', [{'value': VAL1, 'max_value': 24}])
```

```
gauge.add('Series 2', [{'value': VAL2, 'max_value': 24}])
gauge.add('Series 3', [{'value': VAL3, 'max_value': 24}])
gauge.add('Series 4', [{'value': VAL4, 'max_value': 24}])
    gauge.add('Series 5', [{'value': VAL5, 'max_value': 24}])
gauge.render_to_file('/home/pi/chart.svg')
```

The file is saved as chart.svg file in the same folder in which you created your pygaltry.py file

You can view the output .svg file by opening it in browser



