Library Documentation

graphics_creator

Content.

1 Importing the Library…

```
import graphics_creator
from graphics_creator import *
```

2.1 Library initialization…

gc_init – Function to initialize the library

```
graphics_creator.gc_init(first val: x_coefficent,
    second value: y_coefficent
    third val: amount line x, fourth val: amount line y,
    fifth: distance betweenlines)
```

The first value is the Horizontal Value Factor.

The second value is the Vertical Value Coefficient.

The third value is the number of horizontal lines.

The fourth value is the number of lines about the vertical.

The fifth value is the distance between the lines.

2.2 Render graphics

gc_draw – Function for drawing a graph

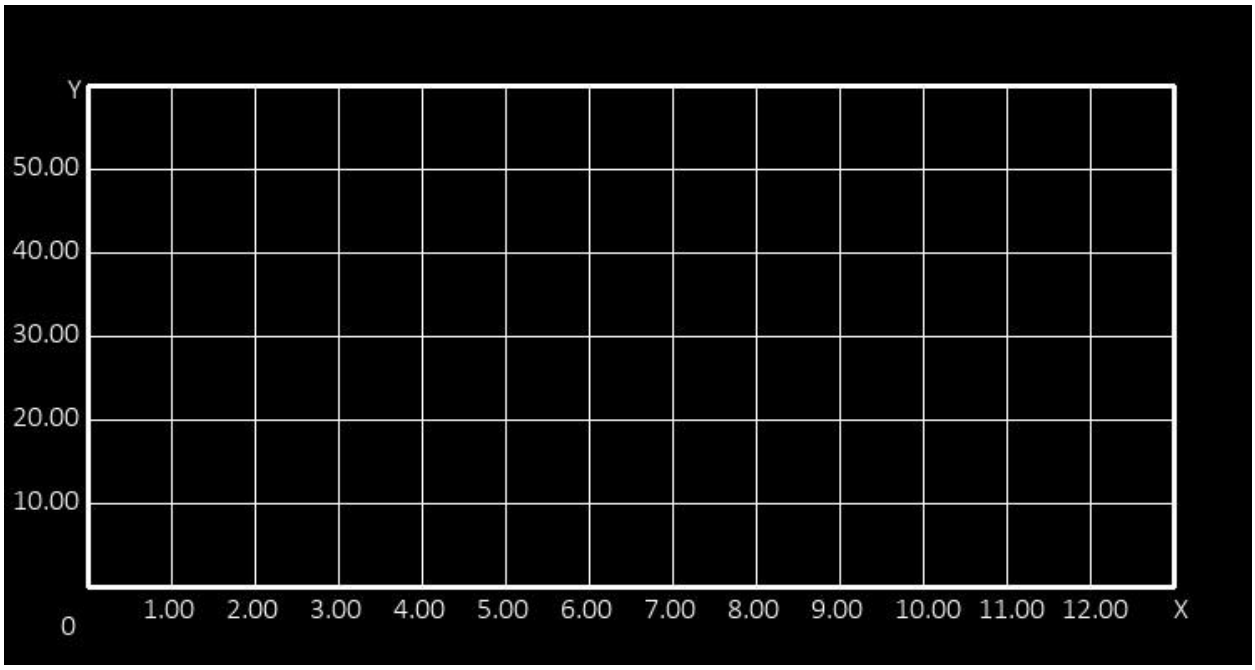
```
graphics_creator.gc_draw()
```

Example:

```
graphics_creator.gc_init(1, 10, 12, 5, 50)

graphics_creator.gc_draw()
```

This code will output:



3. Main functions

3.1 Create a line

crt_line – Function for line creation

```
graphics_creator.crt_line(first val: [values], second val: color of rgb schem)
```

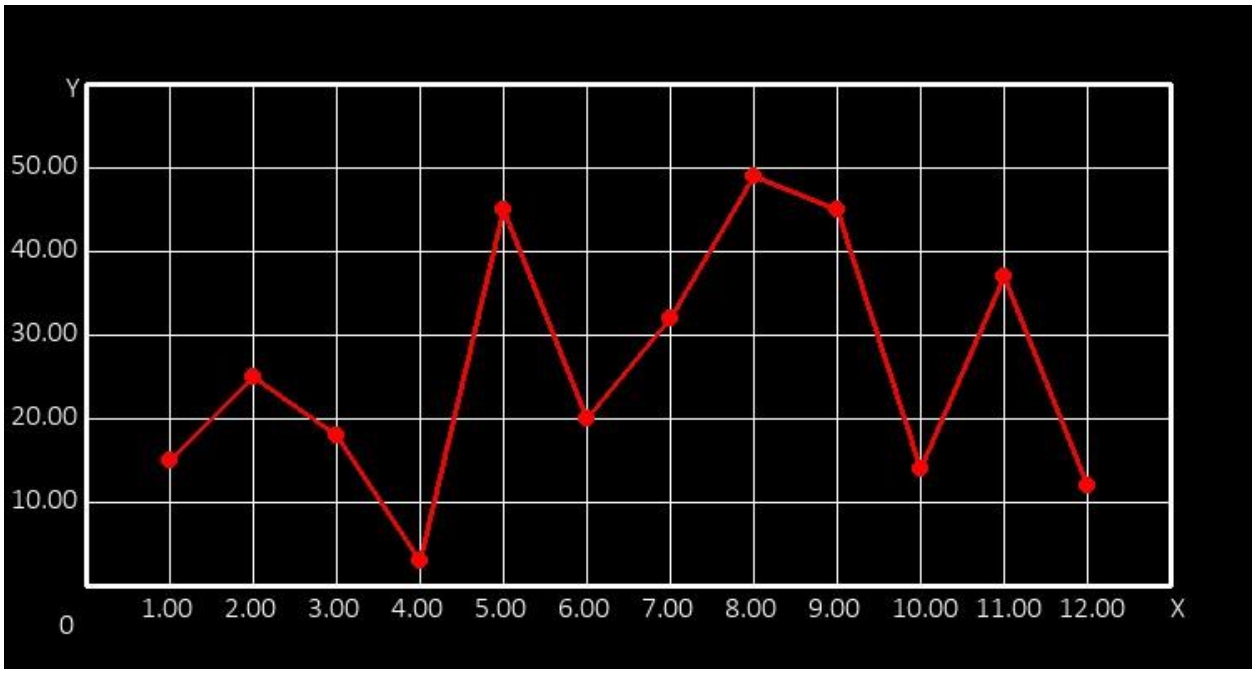
The first value - List with values

The second value - Color in rgb schem

Example:

```
graphics_creator.crt_line([15, 25, 18, 3, 45, 20, 32, 49,
    45, 14, 37, 12], (255, 0, 0))
```

This code will output:



3.2 Creating a free line

crt_fline – Function to create a free line

```
graphics_creator.crt_fline(first val: [[first val: position of x,
    second val: value]], color of rgb schem)
```

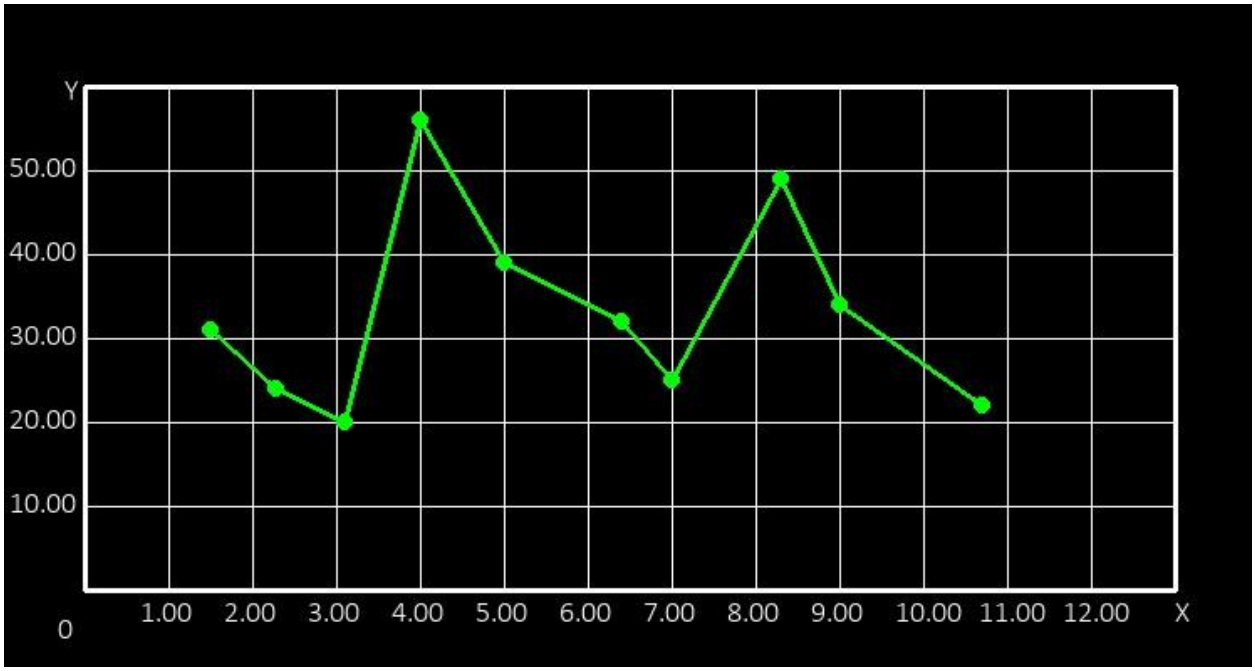
The first value - list with positions and values

The second value - Color in rgb schem

Example:

```
graphics_creator.crt_fline([[1.5, 31], [2.3, 24], [3.1, 20], [4, 56],
    [5, 39], [6.4, 32], [7, 25], [8.3, 49], [9, 34], [10.7, 22]],
    (0, 255, 0))
```

This code will output:



3.3 Creating columns

crt_pillar - Function to create pillars

```
graphics_creator.crt_pillar(first val: [values], second val:
 color of rgb schem)
```

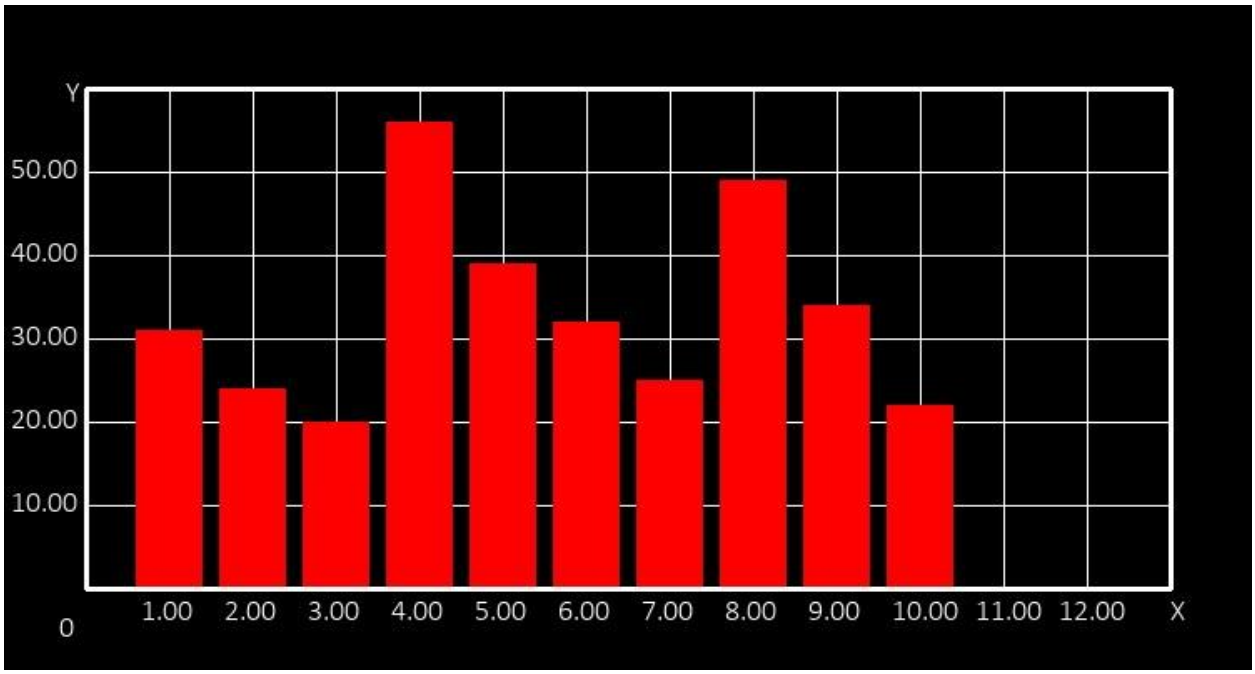
The first value - list with positions and values

The second value - Color in rgb schem

Example:

```
graphics_creator.crt_pillar([31, 24, 20, 56, 39, 32, 25, 49, 34, 22],
    (255, 0, 0))
```

This code will output:



3.4 Creating columns with a line

crt_pwl - Function to create bars with a line

```
graphics_creator.crt_pwl(first val: [values], second val: [first val:
    color of pillars of rgb schem, second val: colr of line of rgb schem])
```

The first value - list with positions and values

The second value – list with color in rgb schem

Example:

```
graphics_creator.crt_pwl([31, 24, 20, 56, 39, 32, 25, 49, 34, 22],
    [(255, 0, 0), (0, 255, 0)])
```

This code will output: