Version 2.2.2

matplotlib.pyplot.plot

`matplotlib.pyplot.plot(*args, **kwargs)`

Plot y versus x as lines and/or markers.

Call signatures:

```
plot([x], y, [fmt], data=None, **kwargs)
plot([x], y, [fmt], [x2], y2, [fmt2], ..., **kwargs)
```

The coordinates of the points or line nodes are given by *x*, *y*.

The optional parameter *fmt* is a convenient way for defining basic formatting like color, marker and linestyle. It's a shortcut string notation described in the *Notes* section below.

```
>>> plot(x, y)        # plot x and y using default line
>>> plot(x, y, 'bo')  # plot x and y using blue circle m
>>> plot(y)           # plot y using x as index array 0.
>>> plot(y, 'r+')     # ditto, but with red plusses
```

You can use `Line2D` properties as keyword arguments for more control on the appearance. Line properties and *fmt* can be mixed. The following two calls yield identical results:

```
>>> plot(x, y, 'go--', linewidth=2, markersize=12)
>>> plot(x, y, color='green', marker='o', linestyle='das
        linewidth=2, markersize=12)
```

When conflicting with *fmt*, keyword arguments take precedence.

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Line Styles

character	description
`'-'`	solid line style
`'--'`	dashed line style
`'-.'`	dash-dot line style
`':'`	dotted line style

Example format strings:

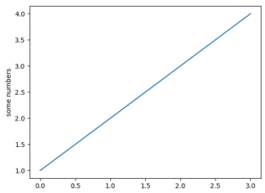
```
'b'    # blue markers with default shape
'ro'   # red circles
'g-'   # green solid line
'--'   # dashed line with default color
'k^:'  # black triangle_up markers connected by a dotte
```

Note

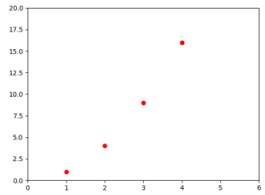
In addition to the above described arguments, this function can take a **data** keyword argument. If such a **data** argument is given, the following arguments are replaced by **data[<arg>]**:

- All arguments with the following names: ‘x’, ‘y’.

Examples using `matplotlib.pyplot.plot`



Pyplot Simple



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