

Write a Python program to plot two or more lines with legends, different widths and colors

```
import matplotlib.pyplot as plt
```

```
def plot_lines():
```

```
    # Data for the lines
```

```
    x = [1, 2, 3, 4, 5]
```

```
    y1 = [2, 4, 6, 8, 10]
```

```
    y2 = [1, 2, 1, 2, 1]
```

```
    y3 = [5, 3, 1, 2, 4]
```

```
    # Plotting the lines with different widths and colors
```

```
    plt.plot(x, y1, label='Line 1', linewidth=2, color='blue')
```

```
    plt.plot(x, y2, label='Line 2', linewidth=3, color='green', linestyle='dashed')
```

```
    plt.plot(x, y3, label='Line 3', linewidth=4, color='red', linestyle='dotted')
```

```
    # Adding legends
```

```
    plt.legend()
```

```
    # Adding labels and title
```

```
    plt.xlabel('X-axis')
```

```
    plt.ylabel('Y-axis')
```

```
    plt.title('Multiple Lines with Legends')
```

```
    # Display the plot
```

```
    plt.show()
```

```
if __name__ == "__main__":
```

```
    plot_lines()
```

OUTPUT:

- - -

