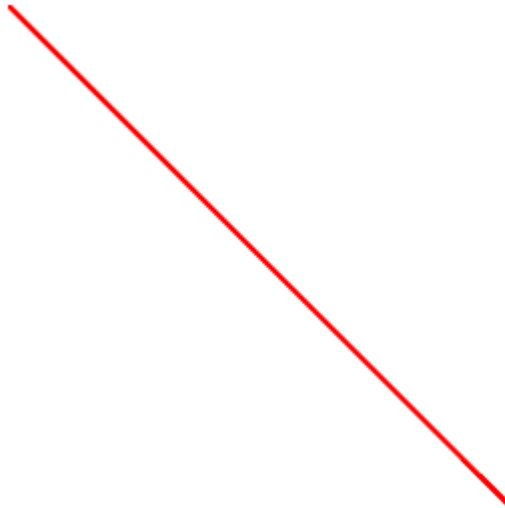


## 05. SVG Line & Polyline.

### 5.1. Example 1

The `<line>` element is used to create a line:



**Example:** Here is the SVG code:

```
<svg height="210" width="500">  
  <line x1="0" y1="0" x2="200" y2="200" style="stroke:rgb(255,0,0);  
  stroke-width:2" />  
</svg>
```

#### Code explanation:

- The `x1` attribute defines the start of the line on the x-axis
- The `y1` attribute defines the start of the line on the y-axis
- The `x2` attribute defines the end of the line on the x-axis
- The `y2` attribute defines the end of the line on the y-axis

### 5.2. Example 2

The `<polyline>` element is used to create any shape that consists of only straight lines (that is connected at several points):



**Example:** Here is the SVG code:

```
<svg height="200" width="500">  
  <polyline points="20,20 40,25 60,40 80,120 120,140 200,180"  
    style="fill:none;stroke:black;stroke-width:3" />  
</svg>
```

#### Code explanation:

- The points attribute defines the list of points (pairs of x and y coordinates) required to draw the polyline

### 5.3. Example 3

Another example with only straight lines:



**Example:** Here is the SVG code:

```
<svg height="180" width="500">  
  <polyline points="0,40 40,40 40,80 80,80 80,120 120,120 120,160"  
    style="fill:white;stroke:red;stroke-width:4" />  
</svg>
```