

SVG - PATH

http://www.tutorialspoint.com/svg/svg_path.htm

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<path> element is used to draw a connected straight lines.

Declaration

Following is the syntax declaration of <path> element. We've shown main attributes only.

```
<path  
  d="data" >  
</path>
```

Attributes

Sr.No. Name&Description

1	d – path data, usually a set of commands like moveto, lineto etc.
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<path> element is used to define any path. Path element uses Path data which comprises of number of commands. Commands behaves like a nip of pencil or a pointer is moving to draw a path.

Sr.No. Command & Description

1	M – moveto – move from one point to another point.
2	L – lineto – create a line.
3	H – horizontal lineto – create a horizontal line.
4	V – vertical lineto – create a vertical line.
5	C – curveto – create a curve.
6	S – smooth curveto – create a smooth curve.
7	Q – quadratic Bezier curve – create a quadratic Bezier curve.
8	T – smooth quadratic Bezier curveto – create a smooth quadratic Bezier curve
9	A – elliptical Arc – create a elliptical arc.
10	Z – closepath – close the path.

As above commands are in Upper case, these represents absolute path. In case their lower case commands are used, then relative path is used.

Example

testSVG.htm

```
<html>  
  <title>SVG Path</title>  
  <body>  
  
    <h1>Sample SVG Path Image</h1>  
  
    <svg width="570" height="320">  
      <g>
```

```

<text x="0" y="10" fill="black" >Path #1: Without opacity.</text>

<path d="M 100 100 L 300 100 L 200 300 z"
stroke="black" stroke-width="3" fill="rgb(121,0,121)"> </path>
</g>
</svg>

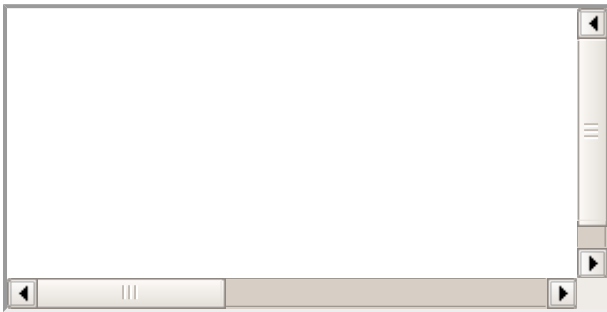
</body>
</html>

```

In above example, in first shape, M 100 100 moves drawing pointer to 100, 100, L 300 100 draws a line from 100, 100 to 300, 100, L 200 300 draws a line from 300, 100 to 200, 300 and z closes the path.

Output

Open textSVG.htm in Chrome web browser. You can use Chrome/Firefox/Opera to view SVG image directly without any plugin. Internet Explorer 9 and higher also supports SVG image rendering.



Path with opacity

```

<html>
<title>SVG Path</title>
<body>

<h1>Sample SVG Path Image</h1>

<svg width="800" height="800">
<g>
<text x="0" y="15" fill="black" >Path #2: With opacity </text>

<path d="M 100 100 L 300 100 L 200 300 z"
style="fill:rgb(121,0,121);stroke-width:3;
stroke:rgb(0,0,0);stroke-opacity:0.5;"> </path>
</g>
</svg>

</body>
</html>

```

Output

Open textSVG.htm in Chrome web browser. You can use Chrome/Firefox/Opera to view SVG image directly without any plugin. Internet Explorer 9 and higher also supports SVG image rendering.

