08. SVG Stroking.

SVG offers a wide range of stroke properties. In this chapter we will look at the following:

- stroke
- stroke-width
- stroke-linecap
- stroke-dasharray

All the stroke properties can be applied to any kind of lines, text and outlines of elements like a circle.

8.1. SVG stroke Property

The stroke property defines the color of a line, text or outline of an element:

Example: Here is the SVG code:
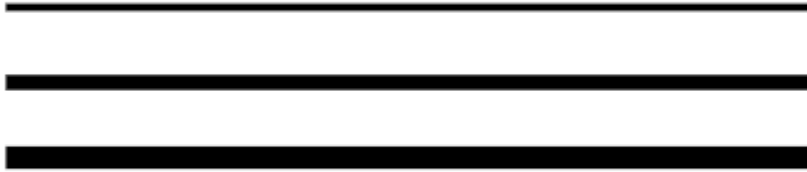
```
<svg height="80" width="300">
  <g fill="none">
    <path stroke="red" d="M5 20 l215 0" />
    <path stroke="black" d="M5 40 l215 0" />
    <path stroke="blue" d="M5 60 l215 0" />
  </g>
</svg>
```

8.2. SVG stroke-width Property

The stroke-width property defines the thickness of a line, text or outline of an element:

Example: Here is the SVG code:

```
<svg height="80" width="300">
  <g fill="none" stroke="black">
    <path stroke-width="2" d="M5 20 l215 0" />
    <path stroke-width="4" d="M5 40 l215 0" />
    <path stroke-width="6" d="M5 60 l215 0" />
  </g>
</svg>
```

8.3. SVG stroke-linecap Property.

The stroke-linecap property defines different types of endings to an open path:

Example: Here is the SVG code:

```
<svg height="80" width="300">
  <g fill="none" stroke="black" stroke-width="6">
```

```
        <path stroke-linecap="butt" d="M5 20 l215 0" />

        <path stroke-linecap="round" d="M5 40 l215 0" />

        <path stroke-linecap="square" d="M5 60 l215 0" />

    </g>

</svg>
```

8.4. SVG stroke-dasharray Property

The stroke-dasharray property is used to create dashed lines:

Example: Here is the SVG code:

```
<svg height="80" width="300">

  <g fill="none" stroke="black" stroke-width="4">

    <path stroke-dasharray="5,5" d="M5 20 l215 0" />

    <path stroke-dasharray="10,10" d="M5 40 l215 0" />

    <path stroke-dasharray="20,10,5,5,5,10" d="M5 60 l215 0" />

  </g>

</svg>
```