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## SVG Interview Questions with Answers

### Q1. What is SVG Stands for?

SVG stands for **Scalable Vector Graphics**.

### Q2. How to Add SVG in HTML?

You can add SVG on your webpage or [HTML](#) by using following any of following ways.

- Using an <object> Tag
- Using an <embed> Tag
- Within an <iframe>
- Using <svg> Tag
- Using an <img> Tag

### Q3. List few advantages and disadvantages of using SVG?

#### **Advantages of SVG**

- Highly Scalable
- Easy to create
- Smaller in Size
- Accessible DOM Node-Based API
- Easier to create very detailed graphics

#### **Disadvantages of SVG**

- Complex Development structure
- Performance issues
- Compatibility Issues

### Q4. What is VML in SVG?

**VML** stands for Vector Markup Language. It is a special type of language based on XML which is basically used to facilitate graphics on the internet including various websites. In recent times, VML capability has been implemented by Microsoft into its official web browser Internet explorer of version 5.0. SVG or Scalable Vector Graphics is also an XML based language. VML in SVG is used in describing images in vector format rather than its original format as an application of XML.

## **Q5. List some predefined shapes available in SVG?**

Basic predefined shapes available in SVG

- straight lines,
- polygons,
- circles,
- ellipses,
- rectangles with or without rounded corners

Also, read [30 bootstrap interview questions 2020](#)

## **Q6. What is Metadata?**

Metadata is data about data. In SVG titles, descriptions, subjects, creators and other properties about the SVG image is its MetaData.

## **Q7. What is Radial Gradients in SVG?**

radialGradient is an element of SVG that allows authors to define radial gradients to fill or stroke graphical elements. It produces a ring (or rings) of color instead of stripes. Here is sample code to define an ellipse with a radial gradient from blue to red:

```
<svg height="150" width="500">
<defs>
<radialGradient id="grad1" cx="50%" cy="50%" r="50%" fx="50%" fy="50%">
<stop offset="0%" style="stop-color:rgb(0,0,255);
stop-opacity:0" />
<stop offset="100%" style="stop-color:(255,0,0);stop-opacity:1" />
</radialGradient>
</defs>
<ellipse cx="200" cy="70" rx="85" ry="55" fill="url(#grad1)" />
</svg>
```

## **Q8. Define VRML?**

VRML stands for Virtual Reality Modeling Language. It is an open Standard programming Language used for creating three-dimensional (3-D) designs and Web-based models, textures, and illusion. **VRML** is also known as Virtual Reality Markup Language.

## **Q9. List major internet browsers support SVG:**

- Internet Explorer 9+
- Firefox 4+

- Chrome 4+
- Safari 4+
- Opera 9.5+

#### **Q10. Where you can use SVG images.**

Following are few practical applications for SVG.

- Graphs
- Road Map
- Complex UI elements
- Logos and simple animated games.
- In creating Responsive Ads.
- Embedded Systems
- GIS and Mapping

**Further Reading About SVG:** [https://en.wikipedia.org/wiki/Scalable\\_Vector\\_Graphics](https://en.wikipedia.org/wiki/Scalable_Vector_Graphics)

#### **Q11. What are SVG filters? List some commonly used filters?**

SVG is an open-standard XML format for two-dimensional vector graphics as defined by the World Wide Web Consortium. The SVG filter effect consists of a series of graphics operations that are applied to a given source vector graphic to produce a modified bitmapped result. Some of the commonly used SVG filters are:

- <feBlend> - filter for combining images.
- <feColorMatrix> - filter for color transforms.
- <feDistantLight> - filter for lighting
- <fePointLight> - filter for lighting
- <feSpotLight> - filter for lighting
- <feOffset> - filter for drop shadows
- <feDisplacementMap>

#### **Q12. Which SVG tag is used to draw any path?**

The **SVG tag** is used to draw any path. It can be also used to draw advanced shapes combined from lines, arcs, curves, etc. with or without fill.

#### **Q13. Which function is used to see the contents within the repository?**

The function used to the contents of the repository is Command `svn list`

file:///home/mysurface/repo/programming\_repo

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