1. What is the difference between container and the container-fluid?

There are two type of layout available in bootstrap.

Fluid Layout (**.container-fluid**)

Fixed Layout (**.container**)

Any of the two containers can be used in a website to create responsive layout. They’re both responsive, but in different ways.

container: has specific pixel width values that change its width value with the help of media queries. It resizes in chunks at several certain widths, controlled by media queries.

container-fluid: continuously resizes as you change the width of your window/browser by any amount, leaving no extra empty space on the sides. It expands to fill the available width, which means its width changes every time the viewport width changes.

1. How bootstrap achieves the responsiveness?

Responsive web design is a process of designing and building websites to provide better accessibility and optimal viewing experience to the user.  Responsive web design is a preferable alternative and an efficient way to target a wide range of devices with much less efforts. Responsive layouts automatically adjust and adapts to any device screen size, whether it is a desktop, a laptop, a tablet, or a mobile phone.

1. What is LESS? Explain about LESS.

Less is a CSS pre-processor, meaning that it extends the CSS language, adding features that allow variables, mixins, functions and many other techniques that allow you to make CSS that is more maintainable, themable and extendable.  It also allows you to write css more dynamically providing re-usability and cutting short the time to write and manage large css files.

Variables:

When importing my own files, variables are first, so they can be used on anything below. Even though this file is named the same as the Bootstrap variables.less file, it won’t overwrite anything unless you specifically name the variable the same. You can override existing Bootstrap variables with your own, or just start creating what you need.

Mixins:

Mixins come next, since they use the variable. You can mixin in anything from Bootstrap or your own new variables into a new mixin. Mixins are great for reusing code.

1. What are different form layouts available with bootstrap?

Bootstrap provides three types of form layouts:

1. Vertical form (this is default)
2. Horizontal form
3. Inline form

Standard rules for all three form layouts:

1. Always use <form role="form"> (helps improve accessibility for people using screen readers)
2. Wrap labels and form controls in <div class="form-group"> (needed for optimum spacing)
3. Add class .form-control to all textual <input>, <textarea>, and <select> elements

**Vertical form:**

This is the default Bootstrap form layout in which styles are applied to form controls without adding any base class to the [<form>](http://www.tutorialrepublic.com/html-tutorial/html-forms.php) element or any large changes in the markup.

**Horizontal form:**

In horizontal form layout labels are right aligned and floated to left to make them appear on the same line as form controls.

Additional rules for a horizontal form:

* Add class .form-horizontal to the <form> element
* Add class .control-label to all <label> elements

**Inline form:**

Sometimes you might require to place the form controls side-by-side to compact the layout. In an inline form, all of the elements are inline, left-aligned, and the labels are alongside.

Additional rule for an inline form:

* Add class .form-inline to the <form> element