## 1. Name 5 different Bootstrap components and describe how they work.

• **Jumbotron:** This enlarges and makes particular content or information more noticeable and attractive. For example:

```
<div class="container">
    <div class="jumbotron">
    <h1 class="text-center text-success">
        Hello World!
    </h1>
    <h3>introduction</h3>
```

Bootstrap is a set of tools available for free and can be used to develop responsive websites and web applications. It is also open-source, meaning its source code is available for anyone to access, use and modify.

```
</div>
```

• Alerts: A pre-defined message that pops up after a particular action. For example:

```
<an alert!>
<h1>Alert:</h1>
<div class="alert alert-info"
role="alert">
an alert!
</div>
```

• **Buttons:** Customizable buttons that can trigger actions in forms, dialogue boxes, and more. They come in different sizes, styles, and states. For example:

```
<br/>
<br/>
type="button"

class="close"

data-dismiss="modal"

aria-label="Close">

<span aria-hidden="true">×</span>
</button>
```

• **Button group:** A set of buttons arranged in a line, which can be aligned vertically or horizontally. For example:

• **Badge:** A label used to provide additional information.

```
<h1>Example heading <span class="badge badge-secondary">New</span></h1><h2>Example heading <span class="badge badge-secondary">New</span></h2><h3>Example heading <span class="badge badge-secondary">New</span></h3>
```

```
<h4>Example heading <span class="badge badge-secondary">New</span></h4>
<h5>Example heading <span class="badge badge-secondary">New</span></h5>
<h6>Example heading <span class="badge badge-secondary">New</span></h6>
```

## **Sources:**

https://www.geeksforgeeks.org/explain-the-components-of-bootstrap/ https://getbootstrap.com/docs/4.0/components/badge/

## 2. How does the Bootstrap grid system work?

Bootstrap's grid system relies on a sequence of containers, rows, and columns to organize and align content. For example:

The example above utilizes pre-existing grid classes to generate three equally-sized columns across small, medium, large, and extra-large devices. These columns are centered on the page using the parent element, .container.

## Source:

https://getbootstrap.com/docs/4.0/layout/grid/