FRONT END – PART 1
Bootstrap

(Bootstrap Breakpoints)
1. Why are bootstrap breakpoints required?

a) They define how the height and width of the content would adjust across different device sizes.

b) They define how the width of the content would adjust across different device sizes.

c) They use a mobile-first approach for responsive web design, which is easy to implement.

d) They use media queries to build the breakpoints, and media queries are easy to use.

SOLUTION DESCRIPTION:

Explanation: The bootstrap breakpoints are defined as customizable widths so that the content can adjust according to the screen resolution. Breakpoints are not defined with respect to height.

(Width of the Div)
2. Choose the correct statement about div with id 'col-one' based on this given code. (Assume bootstrap has been attached to this HTML code file.) (multiple options correct)

```html
<div class="container">
  <div class="row">
   <div id="col-one" class="col-6 col-md-4 col-lg-2">
   </div>
  </div>
</div>
```

a) It'll occupy the full width of its row on an sm screen size.

b) It'll occupy one-fourth width of its row on md screen size.

c) It'll occupy one-sixth width of its row on xl screen size.

d) It'll occupy one-third width of its row on md screen size.

e) It'll occupy half-width of its row on xs and sm screen size.

SOLUTION DESCRIPTION:

Explanation: The grid system in bootstrap has 12 columns in a row. Therefore col-6 means the div occupies six columns out of 12, i.e. half-width of its row.

(Find the Display Property)
3. What do you infer about the display property of the div with id 'col-1'?

```html
<div class="container">
  <div class="row">
    <div id="col-1" class="col d-none d-md-block d-lg-none">
    </div>
  </div>
</div>
```

a) It'll be visible for screen size below md and hidden for screen size md and greater.

b) It'll be visible for screen sizes between md and xl.

c) It'll be visible for screen size less than md, visible for md, and hidden for screen lg and xl.

d) It'll be hidden for screen size less than md, visible for md, and hidden for screen lg and xl.

`(Modals)`
4. Which of the following is false about modals?

a) They are dialogue boxes or pop-up windows used for a better user experience.

b) They can bring attention to the user regarding specific things like warnings or alert messages.

c) They disable the parent screen when they become visible/enabled.

d) Their size on the screen can not be controlled directly using certain bootstrap classes.

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