Questions :

**CSS**

* What ways are there to target elements with CSS?

Below is list of selections available in css.

1. Element selector
2. class selector
3. id selector
4. pseudo selector

* Explain the difference between `visibility:hidden` and `display:none`;

Display none will not take any space in the page where as visibility: hidden will hide the element but will occupy the space.

* How are inline and block elements different than each other?

Block elements take entire width of the available space where as inline elements will cover only the content area. e.g. <div>, <p> etc.

Inline elements will not obey block element properties like margin top and margin bottom. e.g. <a>, <span> etc.

* Please describe the box model. What elements does it include?

Every element in html is considered as box having properties such as content area, padding area, border, margin.

* How would you use media queries in a mobile first approach?

For mobile first styles we target the styles for the mobile by default and overwrite styles for tablets and desktops. We will be using min-widh in media queries for mobile first approach.

**JS**

* What's the difference between a variable that is: null, undefined or undeclared? How would you go about checking for any of these states?

When we declare a variable and don’t assign any value then that variable has value undefined. Where as null is assignable value. Typeof operator in JS will return object for null but undefined for undefined.

**3. Kindly let me know** what will happen when below  code runs.

const print = () => {

if (true) {

  var x = 10;

  let y = 20;

} else {

  var z = 30;

}

console.log('x:', x);

setTimeout(() => console.log('y:', y), 10);

console.log('z:', z);

return () => {

  console.log('x again?', x); // will this work?

};

};

setTimeout(print(), 100); // what's returned from print is passed to setTimeout

x: 10

z: undefined

error: y is not defined

x again? 10