1. Which, if any, of the following 3 code fragments are equivalent? Explain why they are different, if they are. Explain why they can have different parameters and be equivalent, if they are equivalent.

//code fragment 1

$("li").each(function(idx, e) {

$(e).css(“color”, “yellow”); });

//code fragment 2

$("li").each(function() {

$(this).css(“color”, “yellow”); });

//code fragment 3

$("li").each(function(idx) {

$(this).css(“color”, “yellow”); });

Ans: 2 and 3 are equivalent, in both cases the code is setting the font color of each li object to yellow, i.e, this represents to each li. The real difference is that in code 3 it keeps track of each li’s index starting from 0 but not in code 2. Hence, in 3, we can use the index for further manipulations when ever needed. However, in code 2, we are simply changing the font color with out having access to the index.

Code 1, on the other hand, is changing the font color of the actual value in each li.

2. Write a jQuery expression to find all divs on a page that include an unordered list in them, and make their text color be blue.

Text, letter

Description automatically generated

Ans:

$(“div ul”).each(function(){

$(this).css(“color”, “blue”);

}

3. Write jQuery code to append the following div element (and all of its contents) dynamically to the body element.

Text, letter

Description automatically generated

Ans:

$(“body”).append(“<div><h1>JQuery Core </h1></div>”);