Total Number-20

Exercise-1: Answer the following questions about this code block: (2)

const isLearning = true;

if(isLearning){

console.log("Keep Learning");

} else {

console.log("I hope you are learning....");

}

What should the above code console.log?

Exercise-2:Why do we not need to specify if(isLearning === true)? Why does if(isLearning) work on its own? (2)

Exercise-3:

Use both if and switch statement (6)

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age: less then 10

output: stay home under your mom supervision

age: more and equal then 10 and less then 15

output: Try to gain knowledge from outside of home

age: more then and equal to 15 and less than 18

output: prepare to cast vote

age: more or equal then 18

output: cast you vote

age: unknown

output: You are out of range

Exercise-4:

let var1;

const var2 = "";

const var3 = 1;

const secretMessage = "secret!";

if(var1){

console.log("first");

} else if(var1 || var2){

console.log("second");

} else if(var1 || var3){

console.log("third");

} else {

console.log("fourth");

}

What should the above code console.log? Why? (2)

What is the value of var1 when it is initialized? (1)

Is the value of var1 a "truthy" value? Why? (1)

Is the value of var2 a "truthy" value? Why? (1)

Is the value of var3 a "truthy" value? Why?(1)

Exercise-5:

Choose the correct conditional (ternary) operator to console "Too young" if age is less than 18, otherwise alert "Old enough" (2)

Exercise-6:When to Use if else vs ternary vs switch? (2)