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Many things that happen to us or that we do everyday involve some sort of an if statement or a loop. Think of 2 devices or decisions in real life that use an if statement and an additional 2 that use a loop. Explain the way the if statement or loop works (a paragraph) and then draw a diagram of the statement. Lastly, write this code out, using the syntax of the if statement or loop but no need for the specific terms and keywords to be used. You need to have at least one if…else if…else statement. Do not use all device or all decision examples either. This is the only discussion that you should have your posting in an attached file, but for convenience, list the subject of your answers in the text of the discussion. See my post for an example.

This is an if, else if, else conditional that my weather monitor uses to tell me if i should go outside: the sun is shining, I go outside, if else it is overcast, I still go outside, else, it must be raining or a tornado coming so i do not go outside:

Var isShining(weatherInput){

if(weatherInput === “shining”){

console.log(“I go outside”);

}else if(weatherInput === “overcast”){

console.log(“I still go outside”);

}else{

console.log(“I dont go outside since it must be raining or there might be a tornado or something“);

}

}



Figuring out if the number of students I counted is even or not to determine if i can just split them evenly into teams for activities. If number of students modulo 2 returns zero, meaning there is no remainder or the remainder is zero. That means that number is therefore even and then i should return true, otherwise there is a remainder and therefore not even.

var isEven = function(numStudents) {

if((numStudents % 2) === 0){

return true;

}else{

return false;

}

};



I am currently doing a teaching assistant internship where I work with kids and anytime we start class i need to count them all to make sure all 15 are here, this would be the algorithm for it. The algorithm works by first initializing a counter variable that will ultimately be used to increment the counter for the loop and also used to print out the current number to the screen. The variable, i, started at zero and up to 14, 15 iterations total. That's because it starts at zero, but zero students is unrealistic that's why when actually printing it i add one to it, to get the right number to be printed out.

for( var i = 0 ; i < 15 ; i ++){

console.log(“There are “ + (i+1) + “ number of students that i just counted so far!”);

}



Printing every country I have been to in the world in a loop. Having an array named country, storing the list of countries i have been to. Then having a loop initialized at zero with variable i, and indexing each country with variable i starting at zero since array indexes start at zero till i reach the end of the array using a built in function of javascript.

var country = ["Lithuania", "USA", "UK", "Mexico", "Jamaica"];

for (var i = 0; i < country.length; i++) {

console.log("I would like to visit " + country[i]);

}