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var drinktype = getColumn("Beverages Nutrition", "Type");
var drinkname = getColumn("Beverages Nutrition", "Name");
var drinkcalories = getColumn("Beverages Nutrition", "Calories");
var drinkcarbs = getColumn("Beverages Nutrition", "Carbohydrate (g)");
var drinksodium = getColumn("Beverages Nutrition", "Sodium (mg)");
var drinkcaffeine = getColumn("Beverages Nutrition", "Caffeine (mg)");
var drinksugarfree = getColumn("Beverages Nutrition", "Sugar Free?");
var drinkservingweight = getColumn("Beverages Nutrition", "Serving Weight (g)");
var drinkprotein = getColumn("Beverages Nutrition", "Protein (g)");
var drinkservingsize = getColumn("Beverages Nutrition", "Serving Description (fl oz)");
//Gets all the data from lists found in code.org, creating lists from them

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function gettypes(x) {
    var result = x;
    for (var i = 0; i < result.length; i++) {
        var selected = result[i];
        for (var j = i+1; j < result.length; j++) {
            if (selected == result[j]) {
                removeItem(result, j);
                j=j-1;
            }
        }
    }
    return result;
}
var alldrinktypes = gettypes(getColumn("Beverages Nutrition", "Type"));
//Gets all the possible types

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function getMax(x) {
    var max = 0;
    for (var i = 0; i < x.length; i++) {
        if (x[i] > max) {
            max = x[i];
        }
    }
    return(max);
}
//Gets the max value in a list

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setProperty("drinktypedropdown", "options", alldrinktypes);
setProperty("drinktypedropdown", "index", alldrinktypes.length);
setProperty("drinksugardropdown", "options", gettypes(getColumn("Beverages Nutrition", "Sugar Free?")));
setProperty("drinksugardropdown", "index", gettypes(getColumn("Beverages Nutrition", "Sugar Free?")).length);
setProperty("servingsizedropdown", "options", gettypes(getColumn("Beverages Nutrition", "Serving Description (fl oz)")));
setProperty("servingsizedropdown", "index", gettypes(getColumn("Beverages Nutrition", "Serving Description (fl oz)")).length);
//Sets the options for all the dropdowns for the drinktype, sugar and serving size

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onEvent("drinkchoosebutton", "click", function() {
    setScreen("drinktypechoice");
});
//The user will click the "choose button" which will set the screen to where you choose your drink parameters

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setProperty("drinkcaloriesslider", "min", 0);
setProperty("drinkcaloriesslider", "max", getMax(drinkcalories));

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//sets the range for the slider for maximum calory size

var maxdrinksugar;
onEvent("drinkcaloriesslider", "change", function() {
    maxdrinksugar = getNumber("drinkcaloriesslider");
    setProperty("drinkcalorieslabel", "text", "Max Calories: " + getProperty("drinkcaloriesslider", "value"));
});
//Gives a value that users can see and undertand when using the maximum calories slider

var indexes = getColumn("Beverages Nutrition", "id");
onEvent("drinkfiltersubmit", "click", function() {
    var possibledrinks_id = [];
    var possibledrinks_name = [];
    var chosendrinktype = alldrinktypes[getProperty("drinktypedropdown", "index")];
    var chosendrinksugar = getProperty("drinksugardropdown", "text");
    var chosendrinkcalories = getProperty("drinkcaloriesslider", "value");
    var chosendrinksize = getProperty("servingsizedropdown", "value");
    for (var i = 0; i < indexes.length; i++) {
        if (chosendrinksize == drinkservingsize[i] && chosendrinktype == drinktype[i] && chosendrinksugar == drinksugarfree[i]
        && drinkcalories[i] <= chosendrinkcalories) {
            appendItem(possibledrinks_id, i+1);
            appendItem(possibledrinks_name, drinkname[i]);
        }
    }
    setProperty("possibledrinksdropdown", "options", possibledrinks_name);
    setProperty("possibledrinksdropdown", "index", possibledrinks_name.length);
});
// When you submit after entering your filters this will get and display all the possible drinks under the options

onEvent("possibledrinksdropdown", "change", function() {
    var x = drinkname.indexOf(getText("possibledrinksdropdown"));
    setText("possibledrinkinfo", (((("carbs (g):" + drinkcarbs[x]) + "\nCaffeine (mg):" + drinkcaffeine[x] + "\nSodium (mg):" +
    drinksodium[x] + "\nServing Weight (g):" + drinkservingweight[x] + "\nProtein (g):" + drinkprotein[x]);
});
//when you choose your drink, its data will be showed on the blank text box

onEvent("gohome1", "click", function() {
    var x = getText("possibledrinksdropdown");
    var y = getText("possibledrinkinfo");
    setScreen("Main");
    setText("drinkdetails", x + "\n\n" + y);
});
//When you go back home after choosing, the data shown before will be shown again on the "home" screen

```