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// From lines 2 - 7, a storage variable is created to hold
information from the data list, Daily Weather
var cityList = (getColumn("Daily Weather", "City")); //holds the city
names
var forecastNumList = (getColumn("Daily Weather", "Forecast
Number")); //holds which day(#) the forecast will be received from
var conditionList = (getColumn("Daily Weather", "Condition
Description")); //Holds the condition of the day
var iconList = (getColumn("Daily Weather", "Icon")); //holds the
picture that represent the icon
var lowTempList = (getColumn("Daily Weather", "Low
Temperature")); //hold that lowest temperature that day
var highTempList = (getColumn("Daily Weather", "High
Temperature")); //holds the highest temperature that day

//Setup Filtered Lists

var filteredCityList = []; //creates an empty lists storage
var filteredConditionList = [];
var filteredIconList = [];
var filteredLowTempList = [];
var filteredHighTempList = [];

function filter(){
filteredCityList = [];
filteredConditionList = [];
filteredIconList = [];
filteredLowTempList = [];
filteredHighTempList = [];
    for (var g = 0; g< cityList.length; g++){//declares a loop with the
condition which is as long as i less than the amount of dates
        if (forecastNumList[g] == 2){
            addItem(filteredCityList,cityList[g]);
            addItem(filteredConditionList,conditionList[g]);
            addItem(filteredIconList,iconList[g]);
            addItem(filteredLowTempList,lowTempList[g]);
            addItem(filteredHighTempList,highTempList[g]);
        }
    }

}

function display (){

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    var random = randomNumber(0, filteredCityList.length - 1); //declare
variable
    setText("cityOutput", filteredCityList[random]);
    setText("highTempOutput", filteredHighTempList[random]);
    setText("lowTempOutput", filteredLowTempList[random]);
    setImageURL("iconOutput", filteredIconList[random]);
    setText("conditionOutput", filteredConditionList[random]);

}

onEvent("forecastButton", "click", function( ) {
    filter(); //calling the function filter to run
    display(); //calling the function display to run
});
```