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// Setting up lists of alphabet characters and morse characters
var english = getColumn("Morse Table", "alphabet");
var morse = getColumn("Morse Table", "morse");
var completeMsg = "";

onEvent("translateButton", "click", function(){
    getMorse(getText("inputText"));
    setProperty("morseOutput", "text", completeMsg);
});
// getMorse function turns an english message into a morse message
// text parameter is the english input
// return is the completed morse msg "completeMsg"
// textual output based on textual input
function getMorse(text){
    text = text.toLowerCase();
    var msg1 = [];
    completeMsg = "";
    // nested for loop-- outside loop goes letter by letter
    // inside loop checks the letter against all english letters in order to find an index
    // that index then is used to find the morse character
    // for example, 1=a=a in morse, 2=b=b in morse
    for (var x=1;x<text.length+2;x++){
        for(var i = 0; i < 38; i++){
            var y = x-1;
            if(text.substring(y,x)==english[i]){
                appendItem(msg1, morse[i]);
                i = 39;
            }
        }
    }
    for(var o=0;o<msg1.length-1;o++){
        completeMsg = completeMsg + msg1[o] + "\xa0";
    }
    return completeMsg;
}
// all of the code in this project was completed without any help
// all work is original

```