

1. Write a pseudocode program that reverses the order of a one-dimensional array and displays the result.

```

Function itemsPromot() {
  Var initialArray <- []
  Var ultimateArray <- []
  Var sentinel <- 0
  While (true) then.. {
    Var intOrString <- Prompt("Are you going to input an integer? (Y/N): ")
    If (intOrString == "Y") then.. {
      Var digitInsert <- Convert to float(Prompt("Insert an integer:"))
      Push to initialArray(digitalInsert)
      Print("This is the current array: " + initialArray)
    } Else if (intOrString == "N") then.. {
      Var stringInsert <- Prompt("Insert a string: ")
      Push to initialArray(stringInsert)
      Print("This is the current array: " + initialArray)
    } Else then.. {
      Print("I urge you to answer the questions properly next time.")
      sentinel <- -1
      Break
    }
  }
  Var cAdd <- Prompt("Do you want to insert more items? (Y/N): ")
  If (cAdd == "N") then.. {
    Break
  }
}

If (sentinel != -1) then.. {
  Var arrayLength <- initialArray length
  For (var i = arrayLength - 1; i >= 0; i--) then.. {
    Var placeholder <- initialArray[i]
    Push to ultimateArray(placeholder)
  }
  Print("This is your reversed array: " + ultimateArray)
}

}

itemsPromot()

```

2. Convert the pseudocode in question one to JavaScript and test your program.

```

function itemsPrompt() {
  var initialArray = [];
  var ultimateArray = [];
  var sentinel = 0;
  while (true) {
    var intOrString = prompt("Are you going to input an integer? (Y/N): ");
    if (intOrString == "Y") {
      var digitInsert = parseFloat(prompt("Insert an integer: "));
      initialArray.push(digitInsert);
    }
  }
}

```

```

        console.log("This is the current array: " + initialArray);
    } else if (intOrString == "N") {
        var stringInsert = prompt("Insert a string: ")
        initialArray.push(stringInsert);
        console.log("This is the current array: " + initialArray);
    } else {
        console.log("I urge you answer the questions properly next time.")
        sentinel = -1;
        break;
    }
}
var cAdd = prompt("Do you want to insert more items? (Y/N): ")
if (cAdd == "N") {
    break;
}
}
if (sentinel != -1) {
    var arrayLength = initialArray.length;
    for (var i = arrayLength - 1; i >= 0; i--) {
        var placeholder = initialArray[i];
        ultimateArray.push(placeholder);
    }
    console.log("This is your reversed array: " + ultimateArray);
}
}

```

itemsPrompt();

Test here: <https://jsfiddle.net/daryljcb/c2smdage/61/>