1. Create a pseudocode program that copies the elements of a two-dimensional array into another two-dimensional array.

```
Function completeTransfer() {
  Var sentinel <- 0;
  Var requestRows <- Convert to float(Prompt(“How many rows do you want? (Must be more than 1 and an integer): ”))
  If ((requestRows < 1) OR (requestRows is NOT an integer)) then.. {
   Print(“That was not a valid entry.”)
   sentinel <- -1
  End if}
  Var requestColumns <- Convert to float(Prompt(“How many columns do you want? (Must be more than 1 and an integer): ”))
  If ((requestColumns < 1) OR (requestColumns is NOT an integer)) then.. {
    Print(“That was not a valid entry.")
    sentinel <- -1
  End if}
  If  (sentinel != -1) then.. {
    Var initialArray <- New Array(requestRows)
     For (Var x <- 0, until requestRows - 1, x++) do.. {
      initialArray[x] <- New Array(requestColumns)
      For (Var y <- 0, to requestColumns – 1;) do.. {
        Let randomDigit <- Floor number((Random number() * 10) + 1)
        InitialArray[x][y] <- randomDigit
      End for}
    End for}
    Print(“This is the initial array:” + initialArray)
    Var storeX <- requestRows
    Var ultimateArray <- New Array(storeX)
    For (Var x <- 0, until storeX – 1, x++) do.. {
      Var storeY <- requestColumns
      UltimateArray[x] <- New Array(storeY)
      For (var y <- 0, until storeY –1, y++) do.. {
        Var storeVal <- initialArray[x][y]
        ultimateArray[x][y] <- storeVal
        Print(“Processing: Row " + x + " Column " + y + " = " + storeValue”)
      End for}
    End for}
    Print("This is the ultimate array: " + ultimateArray)
  End if}
}
Run completeTransfer()
```

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

```
f function completeTransfer() {
var sentinel = 0;
var requestRows = parseFloat(prompt("How many rows do you want? (Must be more than 1 and an integer): "));
```

```
  if (requestRows < 1 || !Number.isInteger(requestRows)) {
          console.log("That was not a valid entry.");
    sentinel = -1;
  }
  var requestColumns = parseFloat(prompt("How many columns do you want? (Must me
more than 1 and an integer): "));
  if (requestColumns < 1 || !Number.isInteger(requestColumns)) {
          console.log("That was not a valid entry.");
    sentinel = -1;
  }
  if (sentinel != -1) {
    var initialArray = new Array(requestRows);
    for (var x = 0; x < requestRows; x++) {
      initialArray[x] = new Array(requestColumns);
      for (var y = 0; y < requestColumns; y++) {
        var randomDigit = Math.floor((Math.random() * 10) + 1);
        initialArray[x][y] = randomDigit;
      }
    }
    console.log("This is the initial array: " + initialArray);
    var storeX = requestRows;
    var ultimateArray = new Array(storeX);
    for (var x = 0; x < storeX; x++) {
          var storeY = requestColumns;
      ultimateArray[x] = new Array(storeY);
      for (var y = 0; y < storeY; y++) {
        var storeValue = initialArray[x][y];
        ultimateArray[x][y] = storeValue;
        console.log("Processing: Row " + x + " Column " + y + " = " + storeValue);
      }
    }
    console.log("This is the ultimate array: " + ultimateArray);
  }
}
completeTransfer();
```