Parameters/Return/Libraries App Development Project

```
function findTallestBuildingByCountry(country) {
  //Getting the columns for the heights, names, and countries
  var heights = getColumn("World's Tallest Buildings", "Height in feet");
  var buildingNames = getColumn("World's Tallest Buildings", "Name");
  var countries = getColumn("World's Tallest Buildings", "Country");
  if (heights.length == 0) {
    return "No Data Found";
  }
  //Initializing the variables
  var tallestBuildingIndex = -1;
  var tallestBuildingHeight = 0;
  //For loop
  for (var i = 0; i < heights.length; i++) {
    var currentBuildingHeight = heights[i];
    var currentCountryName = countries[i];
    if ((currentCountryName == country) && (currentBuildingHeight > tallestBuildingHeight) ){
      tallestBuildingIndex = i;
      tallestBuildingHeight = currentBuildingHeight;
    }
  }
  //If loop: if the building is not found for the country
  if (tallestBuildingIndex == -1) {
    return "No Building Found for " + country;
  }
  var tallestBuildingNameByCountry = buildingNames[tallestBuildingIndex];
  //Returns the tallest building based on the country
  return tallestBuildingNameByCountry;
}
//Find tallest building name by country
// City {parameter} - The name of the city
// return - The Tallest building will be returned for the city if found, otherwise it will say "
function findTallestBuildingByCity(city) {
  // Getting the columns for the heights, names, and cities
  var heights = getColumn("World's Tallest Buildings", "Height in feet");
  var buildingNames = getColumn("World's Tallest Buildings", "Name");
  var cities = getColumn("World's Tallest Buildings", "City");
  if (heights.length == 0) {
    return "No Data Found";
  }
  //Initialize the variables
  var tallestBuildingIndex = -1;
  var tallestBuildingHeight = 0;
  //For loop
  for (var i = 0; i < heights.length; i++) {
    var currentBuildingHeight = heights[i];
    var currentCityName = cities[i];
    if (currentCityName == city && (currentBuildingHeight > tallestBuildingHeight) ){
      tallestBuildingIndex = i;
      tallestBuildingHeight = currentBuildingHeight;
    }
  }
```

```
  // If loop: to check if the building is not found for the city.
  if (tallestBuildingIndex == -1) {
    return ("No Building Found for " + city);
  }
  var tallestBuildingNameByCity = buildingNames[tallestBuildingIndex];
  //Returns the tallest building based on the city
  return tallestBuildingNameByCity;
}
// Find the Tallest Building Based On The Specified Country (Test Cases)
console.log(findTallestBuildingByCountry("China"));
console.log(findTallestBuildingByCountry("United States"));
console.log(findTallestBuildingByCountry("Taiwan"));
//Find the Tallest Building Based On The Specified City (Test Cases)
console.log(findTallestBuildingByCity("Dubai"));
console.log(findTallestBuildingByCity("Seoul"));
console.log(findTallestBuildingByCity("New York City"));
// Inccorect name (Test Case)
console.log(findTallestBuildingByCountry("Korea"));
```
