WEB222 Test 2 V1 Name(PRINT)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, ID\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Write a JavaScript function called "**capitalize**" using **function declaration syntax** that takes one parameter (a string) and returns a copy of the string where the first letter is upper case and all other letters are lower case. [5 marks]

**Example Usage / Output:**

var capitalize1 = capitalize("PATRICK"); // returns "Patrick"

var capitalize2 = capitalize("james"); // returns "James";

**HINTS:** Make use of the **String.length** property and the **String.charAt(index), String.toUpperCase(), String.toLowerCase()** and **String.substr(fromIndex,[length])** methods

**function** capitalize**(**str**){**

**var** firstChar **=** str**.**charAt**(**0**);**

firstChar **=** firstChar**.**toUpperCase**();**

**var** remainingString **=** str**.**substr**(**1**);**

remainingString **=** remainingString**.**toLowerCase**();**

**return** firstChar **+** remainingString**;**

**}**

1. [5 marks] Create an custom object called "**student**" using **object literal notation**. The student object has two properties:

**name** (string) - initialized to your name (i.e.: “Pat”)

**studentNum** (number) - initialized to your student number (i.e.: 657483920)r

Next, create a **new object** called "**detailedStudent**" using the **"student" object as a prototype** and add the property:

**program** (string) - initialized to your program, (i.e.: "CPA")

**Example Output:**

console.log("Student: " + detailedStudent.name + " Number: " + detailedStudent.studentNum + " Program: " + detailedStudent.program); // Outputs: Student: Pat Number: 657483920 Program: CPA

var student = {

name: "Pat",

studentNum: 657483920

};

var detailedStudent = Object.create(student);

detailedStudent.program = "CPA";