Homework 2 Part 2

CS 1323, Spring 2015

**Name (5 points):**

**Student number:**

Due Wednesday, February 20 by 11:59 p.m. on Janux. Upload a PDF file.

1. (4 points)Match the signature on the left with the correct method call on the right. If there are signatures that do not match any method, say so.

Assume the following declarations have been made:

String stringResult;

int integralResult;

double doubleResult;

|  |  |  |
| --- | --- | --- |
| double calculate(int a, double b) |  | doubleResult = calculate(3, 9.5) |
| int calculate(int a, int b) |  | doubleResult = calculate(2.7, 3.9) |
| String calculate (int a, int b, int c) |  | stringResult = calculate(2, 4, 7) |
| int calculate(double a, double b) |  | intResult = calculate(3, 5) |

1. (10 points; 5 points each)Give the signature for a method that can be used to accomplish each of these tasks. Do not write the full method, only give the signature.
   1. A method that returns the sum of the squares of the values between two given values. So if the method is given 3 and 8, it will return 42 + 52 + 62 + 72.
   2. A method that takes two Strings, converts any small letters to capitals, and returns the concatenated result. If this method were give “abC” and “DEf” it would return “ABCDEF”.