CS 323 Assignment 2

In a single class (file with any name you chose) write first a method with the following signature:

public static Object perform(String **class\_name**, String **method\_name**, String[] **cons\_arg\_types**, String[] **cons\_ arg\_values**, String[] **method\_arg\_types**, String[] **method\_arg\_values**)

which receives the following arguments:

class\_name: the name of a class (string)

method\_name: the name of a method (string)

cons\_arg\_types: an array of strings which contain either the word int or String

cons\_arg\_values: strings with either words or integer numbers

method\_arg\_types: an array of strings which contain either the word int or String

method\_arg\_values: strings with either words or integer numbers

The method should create an object of the class specified by the class\_name parameter, using the constructors with the arguments specified in cons\_arg\_types and cons\_arg\_values, and invoke the method specified by the method\_name argument with the arguments specified in method\_arg\_types and method\_arg\_values.

Then write the main method which will establish a dialogue with the user asking for a class name, method name, number of arguments for the constructor, types and values of these arguments (only Strings and ints are allowed), number of arguments for the method and the types and values of these arguments (also only ints and Strings are allowed), and will call the perform method with the right arguments and print the result.

You can test your solution using the Person class in the file Person.java