Module 4.2 Assignment:

Check for substring!

contents of SubstringChecker.java

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*\* CSD320-j318 Programming with Java (2245-DD)*

*\* Module 4.2 assignment:*

*\* Write a program that prompts a user to enter two strings and then*

*\* checks the strings entered and reports if either the first string is*

*\* a substring of the second string, or if the second string is a substring*

*\* of the first string.*

\*/

import *java*.*util*.*Scanner*;

*public* *class* SubstringChecker {

*public* *static* void main(String[] args) {

        // *Initilaize scanner*

        Scanner scanner = new Scanner(System.*in*);

        //*Welcome message*

        System.*out*.println("Welcome to substring checker\n");

        // *Prompt the user to enter the first string*

        System.*out*.print("Enter the first string: ");

        String str1 = scanner.nextLine();

        // *Prompt the user to enter the second string*

        System.*out*.print("Enter the second string: ");

        String str2 = scanner.nextLine();

        // *Check if either string as a whole is a substring of the other, ignoring case*

        if (str1.toLowerCase().contains(str2.toLowerCase())) {

            System.*out*.println("\"" + str2 + "\" is a substring of \"" + str1 + "\"");

        } else if (str2.toLowerCase().contains(str1.toLowerCase())) {

            System.*out*.println("\"" + str1 + "\" is a substring of \"" + str2 + "\"");

        } else {

            System.*out*.println("Neither string is a substring of the other.");

        }

        // *Close scanner as enforced by VSCode*

        scanner.close();

    }

}

GitHub link:

<https://github.com/erosales48/csd/blob/master/csd-320/Module-4/SubstringChecker.java>

Example1:

A screen shot of a computer

Description automatically generated

Example2:

A computer screen with a black background

Description automatically generated