Marasigan, Vem Aiensi A. 1-BSCS-.2 Ma'am Mary Jane Lima Feb. 10, 2022

## **INTRODUCTION B**

# **Source Code:**

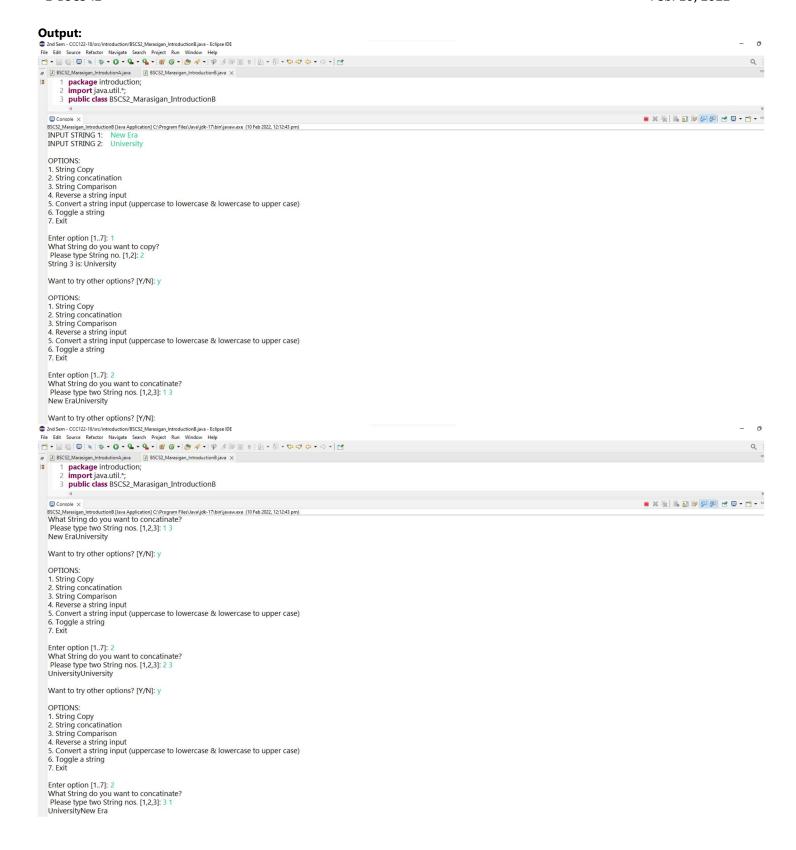
```
package introduction;
import java.util.*;
public class BSCS2 Marasigan IntroductionB
 public static void main(String[] args)
   int choice=0;
   char d = 'N';
   Scanner in = new Scanner(System.in);
   do
     System.out.print("INPUT STRING 1:\t");
     String one = in.nextLine();
     System. out.print("INPUT STRING 2:\t");
     String two = in.nextLine();
     String three = "String 3 does not have any value yet.";
     do
     {
       System. out. print ("\nOPTIONS:\n1. String Copy"
           + "\n2. String concatination\n3. String Comparison"
           + "\n4. Reverse a string input\n5. Convert a string input "
           + "(uppercase to lowercase & lowercase to upper case)"
           + "\n6. Toggle a string\n7. Exit\n\nEnter option [1..7]:\t");
       choice = in.nextInt();
       int ans = 0, ans 2 = 0;
       String first, second;
       switch (choice)
       case 1: System. out. print ("What String do you want to copy?"
             + "\n Please type String no. [1,2]: ");
            ans = in.nextInt();
             three = answerFinder(ans, one, two, three);
            System. out.println("String 3 is: " + three);
             break;
       case 2: System. out. print ("What String do you want to concatinate?"
             + "\n Please type two String nos. [1,2,3]: ");
             ans = in.nextInt(); ans2 = in.nextInt();
             first = answerFinder(ans, one, two, three);
            second = answerFinder(ans2, one, two, three);
             System. out. println(first.concat(second));
             break;
       case 3: System. out. print ("What String do you want to compare?"
             + "\n Please type two String nos. [1,2,3]: ");
             ans = in.nextInt(); ans2 = in.nextInt();
             first = answerFinder(ans, one, two, three);
```

```
second = answerFinder(ans2, one, two, three);
           comparison(first, second);
           break;
     case 4: System. out. print ("What String do you want to reverse?"
           + "\n Please type String no. [1,2,3]: ");
           ans = in.nextInt();
           first = answerFinder(ans, one, two, three);
           StringBuilder r = new StringBuilder();
           r.append(first);
           System. out.println(r.reverse());
           break;
     case 5: System. out. print ("What String do you want to Convert?"
           + "\n Please type String no. [1,2,3]: ");
           ans = in.nextInt();
           first = answerFinder(ans, one, two, three);
           System. out.println("Uppercase:\t" + first.toUpperCase()
           +"\nLowercase:\t" + first.toLowerCase());
           break;
     case 6: System. out. print ("What String do you want to Toggle?"
           + "\n Please type String no. [1,2,3]: ");
           ans = in.nextInt();
           first = answerFinder(ans, one, two, three);
           System. out.println("\nThe toggled word is " + toggler(first));
           break;
     case 7: d = 'N'; break;
     if (choice < 7)
       System. out.print("\nWant to try other options? [Y/N]:\t");
       String decide = in.next().toUpperCase();
       d = decide.charAt(0);
   }while (d == 'Y');
   if (choice < 7)
     System. out.print("Want to try other String input? [Y/N]:\t");
     String decide = in.next().toUpperCase();
     d = decide.charAt(0);
     System.out.println();//just a space
   in.nextLine();//fixes the skipping when loop by absorbing the line input of variable char
  }while (d == 'Y');
  end();
 in.close():
static String answerFinder(int a, String one, String two, String three)
```

```
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```

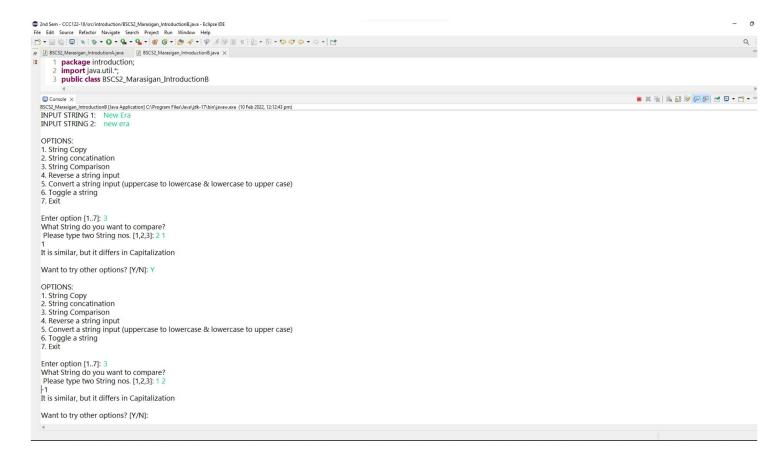
```
String str = "";
  switch (a)
  {
  case 1: str = one; break;
  case 2: str = two; break;
  case 3: str = three; break;
  return str;
static void comparison(String a, String b)
  int result =a.compareTo(b);
  switch (result)
  case 0:
             System. out.println("0");
           System. out. println ("They are exactly similar!");
           break;
  case -32: System.out.println("-1");
           System. out.println("It is similar, but it differs in Capitalization");
           break;
  case 32: System. out. println("1");
           System. out.println("It is similar, but it differs in Capitalization");
  default: System. out. println ("There are no similarities");
static String toggler(String choice)
  String toggled = "";
  char letter[] = choice.toCharArray();
  for (int s = 0; s<letter.length; s++)</pre>
  { //There is a difference of 32(dec) between a Capital letter and its lower case
    if (letter[s] >= 'A' && 'Z' >= letter[s])
    {//if 'A' = 65, then 'a' is = 97 so adding 32 converts it to lower case}
     letter[s] = (char)((int)letter[s]+32);
    }
    else if (letter[s] >= 'a' && 'z' >= letter[s])
    {//if 'a' = 97, then subtracting 32 will make it 65 which has the char value of 'A'
      letter[s] = (char)((int)letter[s]-32);
    }
    toggled += letter[s];
  return toggled;
}
static void end()
  System. out.println("\n\t\tThank You po for Using my Program\n"
      + "\t\t\t-Vem Aiensi ^_^");
}
```

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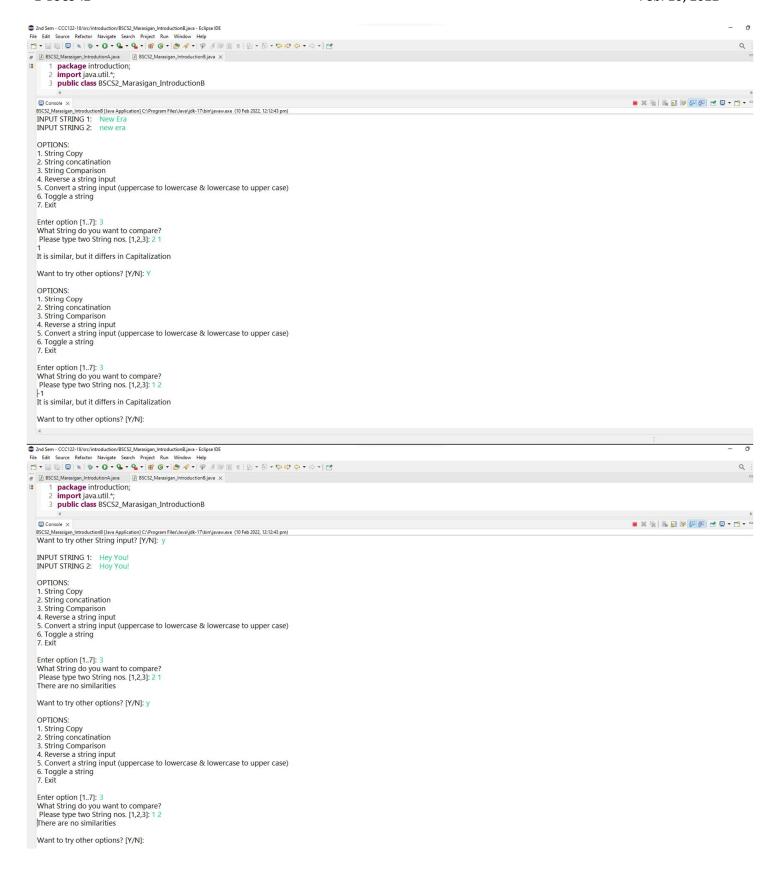


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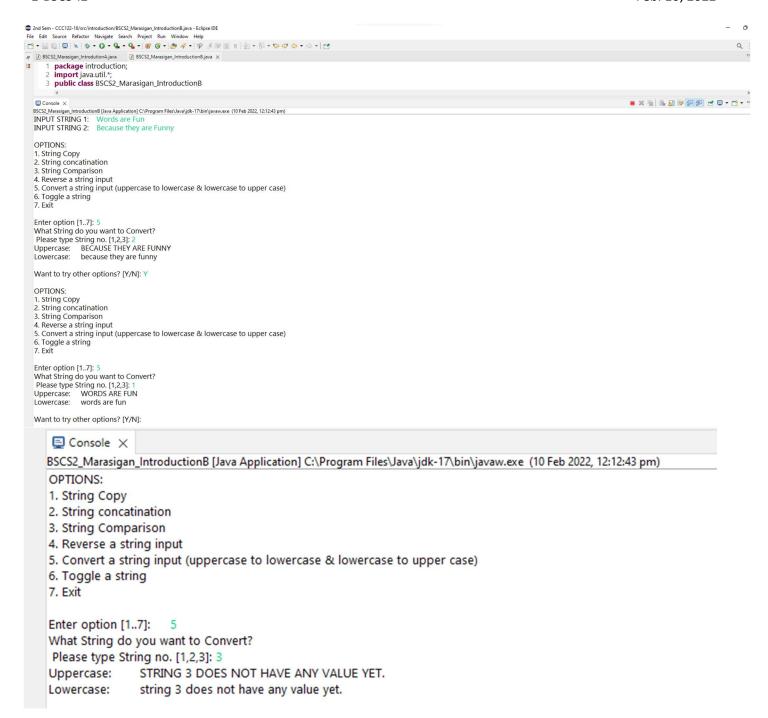
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Lowercase: string 3 does not have any value yet. Want to try other options? [Y/N]:y OPTIONS: 1. String Copy 2. String concatination 3. String Comparison 4. Reverse a string input 5. Convert a string input (uppercase to lowercase & lowercase to upper case) 6. Toggle a string 7. Exit Enter option [1..7]: What String do you want to copy? Please type String no. [1,2]: 1 String 3 is: Words are Fun Want to try other options? [Y/N]:y OPTIONS: 1. String Copy 2. String concatination 3. String Comparison 4. Reverse a string input 5. Convert a string input (uppercase to lowercase & lowercase to upper case) 6. Toggle a string 7. Exit Enter option [1..7]: 5 What String do you want to Convert? Please type String no. [1,2,3]: 3 Uppercase: WORDS ARE FUN Lowercase: words are fun

Oppercase: STRING 3 DOES NOT HAVE ANY VALUE YET.

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```
INPUT STRING 1: Two Ways of Exit
  INPUT STRING 2: in this Program
  OPTIONS:
  1. String Copy
  2. String concatination
  3. String Comparison
  4. Reverse a string input
  5. Convert a string input (uppercase to lowercase & lowercase to upper case)
  6. Toggle a string
  7. Exit
  Enter option [1..7]: 1
  What String do you want to copy?
   Please type String no. [1,2]: 2
  String 3 is: in this Program
  Want to try other options? [Y/N]: n
  Want to try other String input? [Y/N]: n
            Thank You po for Using my Program
                      -Vem Aiensi ^ ^
2nd Sem - CCC122-18/src/introduction/BSCS2_Marasigan_IntroductionB.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
BSCS2_Marasigan_IntrodutionA.java

DBSCS2_Marasigan_IntroductionB.java ×
     1 package introduction;
     2 import java.util.*;
     3 public class BSCS2_Marasigan_IntroductionB
  □ Console X
  <terminated> BSCS2_Marasigan_IntroductionB [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (10 Feb 2022, 12:37:27 pm - 12:37:46 pm)
  INPUT STRING 1: Or you can
  INPUT STRING 2: Press 7 immediately
  OPTIONS:
  1. String Copy
  2. String concatination
  3. String Comparison
  4. Reverse a string input
  5. Convert a string input (uppercase to lowercase & lowercase to upper case)
  6. Toggle a string
  7. Exit
  Enter option [1..7]: 7
           Thank You po for Using my Program
                     -Vem Aiensi ^_^
```