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/*
Name: Zainulabdin Bughio
ICS4UA.3
Code name: morse code converter
*/
import java.util.Scanner;

public class morse_code_converter {
    public static void main(String[] args) {
        Scanner input = new Scanner(System.in);

        // asking user to enter the text
        System.out.print("enter text to convert to morse code: ");
        String text = input.nextLine();

        // changing everything to uppercase
        text = text.toUpperCase();

        // going letter by letter
        for (int i = 0; i < text.length(); i++) {
            char ch = text.charAt(i);

            // checking each character and printing its morse code
            if (ch == 'A') System.out.print(".- ");
            else if (ch == 'B') System.out.print("-... ");
            else if (ch == 'C') System.out.print("-.-. ");
            else if (ch == 'D') System.out.print("-.. ");
            else if (ch == 'E') System.out.print(". ");
            else if (ch == 'F') System.out.print("..-. ");
            else if (ch == 'G') System.out.print("--. ");
            else if (ch == 'H') System.out.print(".... ");
            else if (ch == 'I') System.out.print(".. ");
            else if (ch == 'J') System.out.print("---- ");
            else if (ch == 'K') System.out.print("-.- ");
            else if (ch == 'L') System.out.print("-.. ");
            else if (ch == 'M') System.out.print("-- ");
            else if (ch == 'N') System.out.print("-. ");
            else if (ch == 'O') System.out.print("--- ");
            else if (ch == 'P') System.out.print(".-- ");
            else if (ch == 'Q') System.out.print("--.- ");
            else if (ch == 'R') System.out.print(".-. ");
            else if (ch == 'S') System.out.print "... ");
            else if (ch == 'T') System.out.print("- ");
            else if (ch == 'U') System.out.print("..- ");

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else if (ch == 'V') System.out.print("...- ");
else if (ch == 'W') System.out.print("..-- ");
else if (ch == 'X') System.out.print("-.-. ");
else if (ch == 'Y') System.out.print("-.-. ");
else if (ch == 'Z') System.out.print("---. ");
else if (ch == '1') System.out.print("---- ");
else if (ch == '2') System.out.print("..--- ");
else if (ch == '3') System.out.print("...-- ");
else if (ch == '4') System.out.print("....- ");
else if (ch == '5') System.out.print("..... ");
else if (ch == '6') System.out.print("-.... ");
else if (ch == '7') System.out.print("--... ");
else if (ch == '8') System.out.print("----. ");
else if (ch == '9') System.out.print("----. ");
else if (ch == '0') System.out.print("----- ");
else if (ch == ' ') System.out.print("/ ");
}

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// moving to next line after whole sentence done
System.out.println();

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}
}

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/*

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Name: Zainulabdin Bughio

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ICS4UA.3

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Code name: ROT13 cipher

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*/

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import java.util.Scanner;

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public class rot13_cipher {
    public static void main(String[] args) {
        Scanner input = new Scanner(System.in);

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        // asking user to enter the text
        System.out.print("enter the text: ");
        String text = input.nextLine();

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        String finalText = "";

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        // going through each character
        for (int i = 0; i < text.length(); i++) {

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        char ch = text.charAt(i);

        // checking if its small letters
        if (ch >= 'a' && ch <= 'z') {
            if (ch + 13 > 'z') {
                finalText += (char)(ch - 13);
            } else {
                finalText += (char)(ch + 13);
            }
        }
        // checking if its capital letters
        else if (ch >= 'A' && ch <= 'Z') {
            if (ch + 13 > 'Z') {
                finalText += (char)(ch - 13);
            } else {
                finalText += (char)(ch + 13);
            }
        }
        else {
            // if its not a letter just add it normally
            finalText += ch;
        }
    }

    // printing the encrypted/decrypted final text
    System.out.println("result: " + finalText);
}
}

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/*
Name: Zainulabdin Bughio
course name: ICS4UA.3
Code name: date converter
*/

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import java.util.Scanner;

public class date_converter {
    public static void main(String[] args) {
        Scanner input = new Scanner(System.in);
    }
}

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// asking user to enter the date
System.out.print("enter the date in MMDDYYYY format: ");
String date = input.nextLine();

// splitting the date into month, day, year
String month = date.substring(0,2);
String day = date.substring(2,4);
String year = date.substring(4,8);

// month name setup
String monthName = "";

if (month.equals("01")) monthName = "January";
else if (month.equals("02")) monthName = "February";
else if (month.equals("03")) monthName = "March";
else if (month.equals("04")) monthName = "April";
else if (month.equals("05")) monthName = "May";
else if (month.equals("06")) monthName = "June";
else if (month.equals("07")) monthName = "July";
else if (month.equals("08")) monthName = "August";
else if (month.equals("09")) monthName = "September";
else if (month.equals("10")) monthName = "October";
else if (month.equals("11")) monthName = "November";
else if (month.equals("12")) monthName = "December";
else monthName = "invalid month";

// printing out the new converted date
System.out.println(day + " " + monthName + " " + year);
}
}

/*
Name: Zainulabdin Bughio
course name: ICS4UA.3
Code name: blank replacer
*/

import java.util.Scanner;

public class replace_spaces {
    public static void main(String[] args) {
        Scanner input = new Scanner(System.in);

        // asking user to enter a sentence

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System.out.print("enter a sentence: ");
String sentence = input.nextLine();

// fixing the sentence by replacing all extra spaces with just one
sentence = sentence.replaceAll(" +", " ");

// printing the fixed sentence
System.out.println("fixed sentence: " + sentence);
    }
}
```