COMP101 Lab2: Giant Letters report

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Requirements

The problem to solve were to write a program that will print a giant letters of your departmental username vertically up-to-down. They should have been made of character they represent. The program also should have choice.

Analysis and design

I wrote this program in one class – it is simply enough to do this. I assumed that CS username have five letters/digits. I made username not case-sensitive. I also created a method giantLetter where the mechanism of printing giant letters on screen is written. As place to print giant letters I used 7x7 grid. I used if/else statements containing all English letters (A-Z) and digits (0-9). Each giant letter/digit is made of small uppercase letters/digits. If entered letter is not from range A-Z / 0-9 then the program displays error. In main method I am calling five instances of method giantLetter.

Structure

Cases for each letter (A-Z, 0-9) based on “if” statements. If matches then print this letter in giant version

If none of letters matches to letter entered from keyboard then display error

Input: five chars of username

Call five instances of method giantLetter

public static void **giantLetter(char letter)**

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

public class **GiantU5jj1**

Testing

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Successfully configured program should return:   |  | | --- | | CONSOLE | | U U  U U  U U  U U  U U  U U  UUUUU  5555555  5  5  555555  5  5 5  55555  J  J  J  J  J J  J J  JJJJJ  J  J  J  J  J J  J J  JJJJJ  1  11  1 1  1  1  1  11111 | | Otherwise, if you enter unexpected character:   |  | | --- | | JAVA | | // Enter your username chars:       char input1 = 'u';     char input2 = '@';    char input3 = 'j';    char input4 = '&';     char input5 = '1'; | |  |   then program will return:   |  | | --- | | CONSOLE | | U U  U U  U U  U U  U U  U U  UUUUU  ERROR: Letter not found.  J  J  J  J  J J  J J  JJJJJ  ERROR: Letter not found.  1  11  1 1  1  1  1  11111 | |