

# 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

```
public class GiantU5jj1
```

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

Input: five chars of username

Call five instances of method `giantLetter`

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

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

# Testing

Successfully configured program should return:

## CONSOLE

```
U    U
U    U
U    U
U    U
U    U
U    U
UUUUU
```

```
555555
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
```