

Tuition Payment

Problem Description:

Write a program that will calculate the total college costs for a student. The program will ask the user for the number of credit hours that the student is taking, the number of lab courses that the student is taking, and whether the student is "in district". The tuition is calculated by multiplying the number of credit hours times the cost per credit plus lab fees. For "in district" students the cost is \$70.00 per credit hour. For "out of district" students the cost is \$255.54 per credit hour. Lab fees are \$85 per lab course. If a student is taking more than 18 credits in a single semester they will be charged for a maximum of 18 credits. Make sure to line up all of the dollar amounts in a single column. Use constants for the tuition and fee values so that they can be easily changed. Your program should handle both upper and lower case Y and N.

Example Output:

```
Enter the number of credit hours: 15
Enter the number of lab courses: 2
Is the student "in district" (y or n): y

Tuition costs:                1050.00
Lab Fees:                      170.00

Your total payment is:        1220.00
```

Required Test Cases:

```
15, 3, y
7, 0, n
21, 2, N
18, 1, Y
```

Skills:

•Var •Con I/O •Format •Logic ◦Loops ◦Functions ◦Call by Ref ◦File I/O ◦Arrays ◦Strings ◦GM