



LAB 03: OPERATORS

In this lab you will be practicing with basic programming operators and discovering how to scan an integer from the keyboard.

EXERCISES

Additional Instructions: **Do Not** hardcode values in the print statements. If a variable can be used in the statement, use it!

1. Declare 4 integer variables to store the number of students in 1st, 2nd, 3rd, and 4th periods. Assign the values 18, 25, 24, and 15 to those values. Declare another variable to store the sum of the students in those three rooms. Finally print the following,

`There are 82 students in 1st-4th periods.`

As always, make sure the variable names are descriptive!

2. Add a Scanner object to get input from the keyboard (see lab 03 #3-4). We'll be scanning the base and height of a triangle as integers, then printing the triangle's area.

Ask the user for the length of the triangles base as an integer. Scan it in. Then ask for height as an integer. Scan it in too. Next, declare a new value to store the triangle's area. Finally, print the following, assuming the user entered 9 and 4.

`A triangle with a base of 9 and height of 4 has an area of 6.5`

Here's an example for how to scan an integer.

```
int input1 = inKey.nextInt();
```

3. Ask the user how many people are in the car. Scan the value. Ask the user how many sticks of gum are in the glove box. Scan the value. Finally, print the following, assuming the user entered 4 and 15.

`If we split 15 sticks of gum evenly between 4 people, there would be 3 stick(s) left over.`



CONTINUE....

EXERCISES

More Instructions

CONTINUE...



EXERCISES

Additional Stuff



EXERCISES



CONTINUE....