CS1050 – Prelab2
Fall 2024

Concepts to Practice
- Simple input/output
- Integer variables
- Arithmetic operators

Description
For the prelab assignment, write a C program that reads in four integer numbers from user input that will be entered on the same line and separated by a space. The first integer should be called A, the second B, the third C, and the fourth D.

Print the following:
- Print the values of A, B, C, and D.
- Print the value of the sum of B and C.
- Print the value of the product of A and D.
- Print the value of the integer quotient of A divided by C.
- Print the value of the integer remainder of C divided by D.
- Print the value of the quantity A times C divided by (integer division) the quantity B plus D.

Sample Output 1
```
Enter 4 integers (A,B,C,D) separated by spaces: 4 3 5 7
*** Initial values ***
A=4
B=3
C=5
D=7

*** Calculated values ***
The sum of B and C = 8
The product of A and D = 28
The integer quotient of A divided by C = 0
The integer remainder of C divided by D = 5
The product of A and C divided by the quantity sum of B and D = 2
```

```
Enter 4 integers (A,B,C,D) separated by spaces: 7 19 4 52
*** Initial values ***
A=7
B=19
C=4
D=52

*** Calculated values ***
The sum of B and C = 23
The product of A and D = 364
The integer quotient of A divided by C = 1
The integer remainder of C divided by D = 4
The product of A and C divided by the quantity sum of B and D = 0
```