

CSE 115: Practice session: Data types

1. Write down a program that will take two integers as input and will show the results of addition, multiplication, division and modulus. The output should exactly match the following format but the data input will be different:

Enter an integer: 46

Enter another integer: 34

46 PLUS 34 EQUALS 80

46 – 34 = 12

The result of multiplication is 1564

46 mod 34 = 12

2. Write down a program that will interchange the value of three variables in the following order:

$a \rightarrow b \rightarrow c \rightarrow a$

Sample input/output:

Enter a: 10

Enter b: 20

Enter c: 30

After interchange a = 30, b = 10, c = 20

3. [***] Write down a program that will take two persons' height as input (in feet and inches) and will print the difference of height in feet and inches. Assume that the taller person's height will be always given as input first.

Sample input/output:

First person:

Enter feet: 5

Enter inch: 7

Second person:

Enter feet: 3

Enter inch: 8

Difference: 1 feet 11 inch