

MAT245 - LAB ASSIGNMENT 1

Create a program that does the following:

- (1) Create variables **a**, **b**, **c**, and **d** as follows:
 - (a) set **a** equal to 2.0;
 - (b) set **b** equal to -3.0 ;
 - (c) initialize **c** by setting it equal to the product of **a** and **b**;
 - (d) initialize **d** by setting it equal to 5.0 divided by **a**.
- (2) Create a dictionary called **dict** mapping the **string** values on the left to the variables on the right:

"value_a"	→	a
"value_b"	→	b
"value_c"	→	c
"value_d"	→	d

- (3) Use a **for** loop to iterate through each **key, value** pair in **dict**, and:
 - (a) if **value** is ≥ 0 , print **value** to the screen;
 - (b) if **value** is < 0 , print $-\text{value}$ to the screen.