

# Task 1

- **Simple Calculator**

- Prompt the user to enter a number.
- Prompt the user to enter another number.
- Output to the document the mathematical results (i.e. sum, sub,..etc).
- **Question:** what happens when you try to add 0.1 and 0.2 ?
- **Improvements:** Search how to utilize **Template literals**

15 + 3 = 18

15 - 3 = 12

15 \* 3 = 45

15 / 3 = 5

15 % 3 = 0

15 power 3 = 3375

Are equal? false

Is 15 > 3? true

# Task 2

Given two numbers  $A$  and  $B$ . Print "Yes" if  $A$  is greater than or equal to  $B$ .  
Otherwise print "No".

Input

Only one line containing two numbers  $A$  and  $B$  ( $0 \leq A, B \leq 100$ ).

Output

Print "Yes" or "No" according to the statement.

# Task 3

Given two numbers  $A$  and  $B$ . Print "Multiples" if  $A$  is multiple of  $B$  or vice versa. Otherwise print "No Multiples".

## Input

Only one line containing two numbers  $A, B$  ( $1 \leq A, B \leq 10^6$ )

## Output

Print the "Multiples" or "No Multiples" corresponding to the read numbers.

What is ternary operator?? Try it !

# Task 4

Given a letter  $X$ . Determine whether  $X$  is Digit or Alphabet and if it is Alphabet determine if it is Capital Case or Small Case.

## **Note:**

Digits in ASCII '0' = 48, '1' = 49 ....etc

Capital letters in ASCII 'A' = 65, 'B' = 66 ....etc

Small letters in ASCII 'a' = 97, 'b' = 98 ....etc

## **Input**

Only one line containing a character  $X$  which will be a capital or small letter or digit.

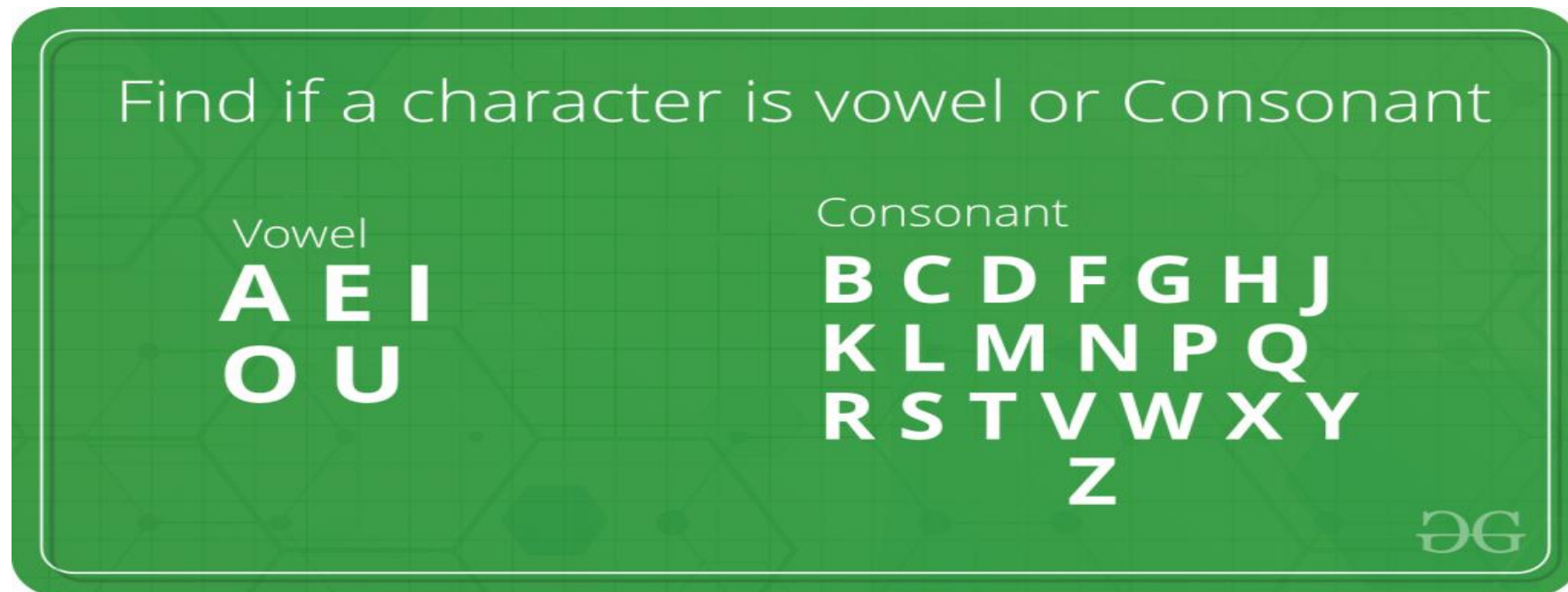
## **Output**

Print a single line contains "IS DIGIT" if  $X$  is digit otherwise, print "ALPHA" in the first line followed by a new line that contains "IS CAPITAL" if  $X$  is a capital letter and "IS SMALL" if  $X$  is a small letter.

# Task 5

Given a character, check if it is vowel or consonant. Vowels are 'a', 'e', 'i', 'o' and 'u'. All other characters ('b', 'c', 'd', 'f' ....) are consonants.

Use switch



# Task 6

- Who Am I Game
- Prompt the user with the needed questions to guess the animal.
- User response can be either yes or no.
- **Enhancement:** Search how to make your game case insensitive (i.e. user can type yes, Yes, YES, Yes, No, NO ...etc)

