Lesson 1

Computational Learning

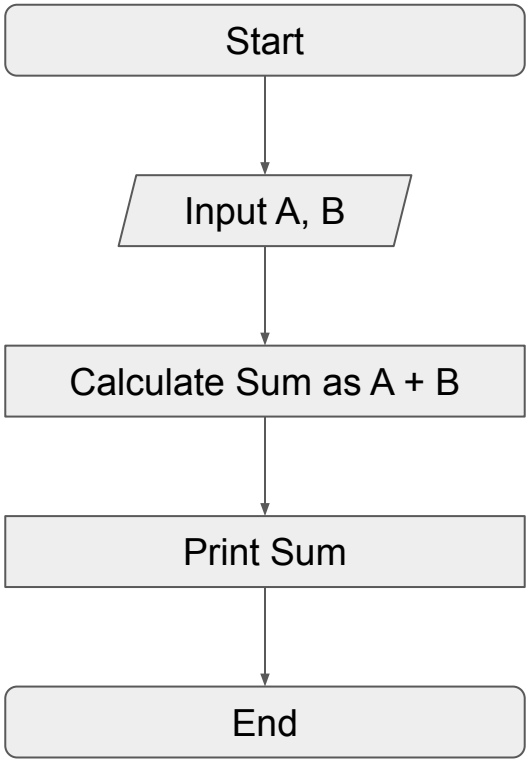
Exercise 01a

A. Pseudocode
B. Algorithm Flowchart

1A. Find the sum of two numbers A and B.

1. Start
2. Input: “Enter A”, “Enter B”
3. Read A, B
4. Calculate Sum as A + B
5. Print Sum
6. End

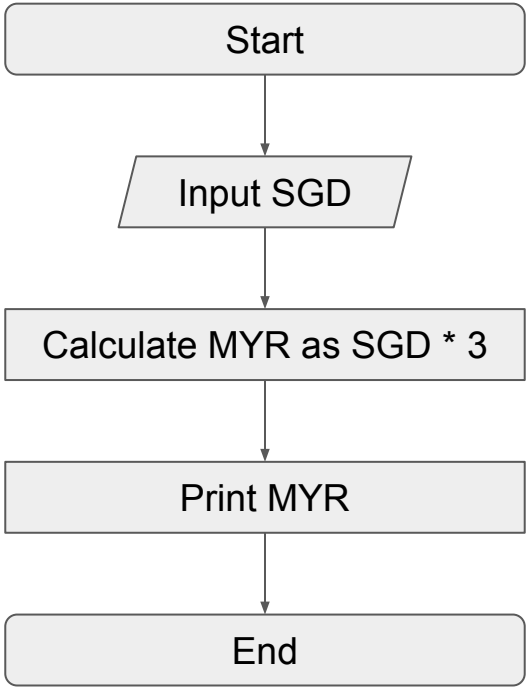
1B. Find the sum of two numbers A and B.



2A. Convert Singapore Dollar (SGD) to Malaysian Ringgit (MYR). Assume 1 SGD is equivalent to 3 MYR.

1. Start
2. Input: “Enter SGD”
3. Read SGD
4. Calculate MYR as SGD * 3
5. Print MYR
6. End

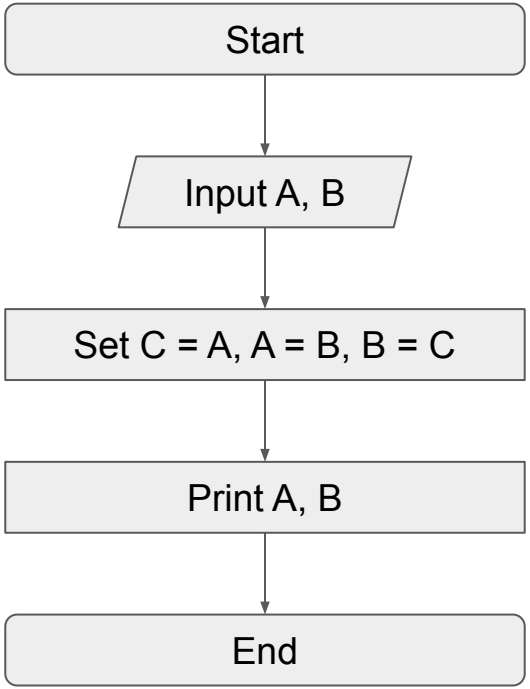
2B. Convert Singapore Dollar (SGD) to Malaysian Ringgit (MYR). Assume 1 SGD is equivalent to 3 MYR.



3A. Swap values between two variables using temporary variable.

1. Start
2. Input: A, B
3. Read A, B
4. Set
   C = A,
   A = B,
   B = C
5. Print A, B
6. End

3B. Swap values between two variables using temporary variable.



4A. Find the smallest of two numbers.

1. Start
2. Input: A, B
3. Read A, B
4. If A - B < 0 then
   A is Smaller than B
   Print A
5. Else
   A is Bigger than B
   Print B
6. End

4B. Find the smallest of two numbers.