

CPE100 Computer Programming for Engineers

Objective

This exercise will allows you to practice using the flowchart, a picture of the separate steps of a process in sequential order, to help you identify its essential steps and simultaneously offer the bigger picture of the process.

Instructions

1) Write Flowchart for a program to "Output the Factorization of the input number" Format $2 \times 5 = 10$

2) Write Flowchart for a program to "Output Square root of the input number"

3) Write Flowchart for a program to "Check if a number is a multiple of another?"

4) Write Flowchart for a program to "Check if three sides of a triangle form a right triangle or Not ?"

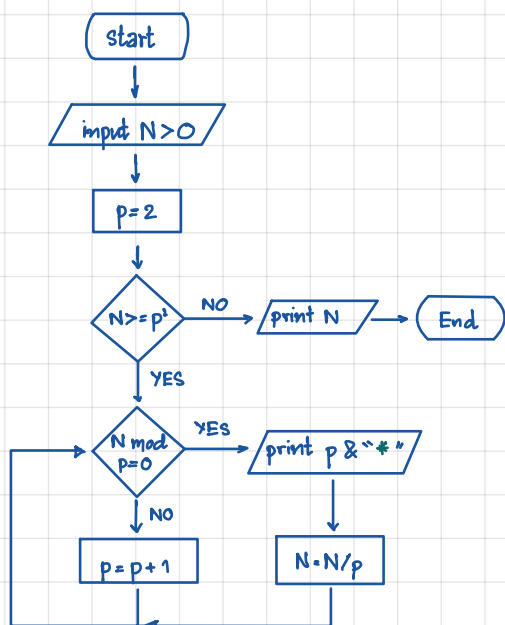
5) Write Flowchart for a program to "Output the first 10 square series" $x^2 = 1^2, 2^2, 3^2, \dots, 10^2$

**Square series example (1,4,9,16,25,36.....)

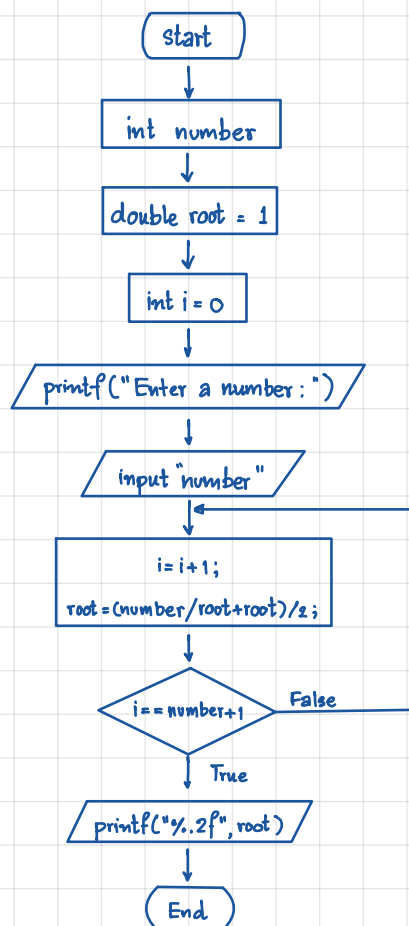
6) Write Flowchart for a program to "Find greatest common divisor of two numbers" นวณ. หาค่าร่วมมาก

7) Write Flowchart for a program to "Check Whether a Number is Prime or Not ?" หาค่าจำนวนเฉพาะ

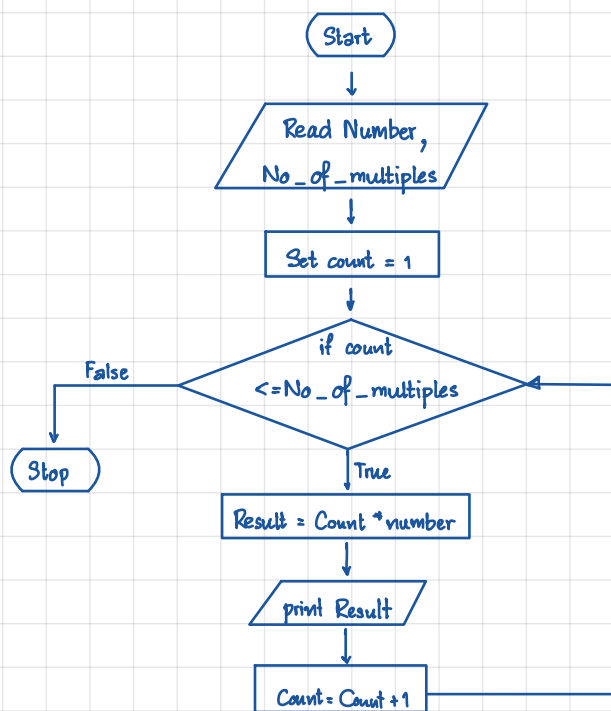
1) Write Flowchart for a program to "Output the Factorization of the input number"



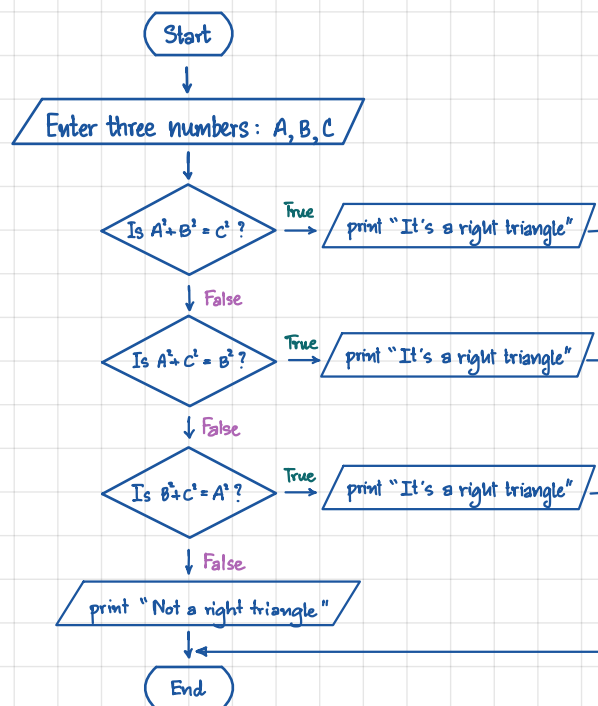
2) Write Flowchart for a program to "Output Square root of the input number"



3) Write Flowchart for a program to "Check if a number is a multiple of another?"

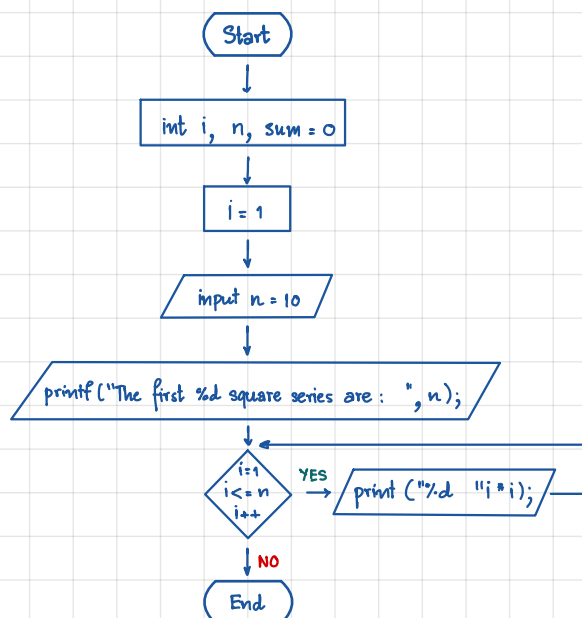


4) Write Flowchart for a program to "Check if three sides of a triangle form a right triangle or Not ?"

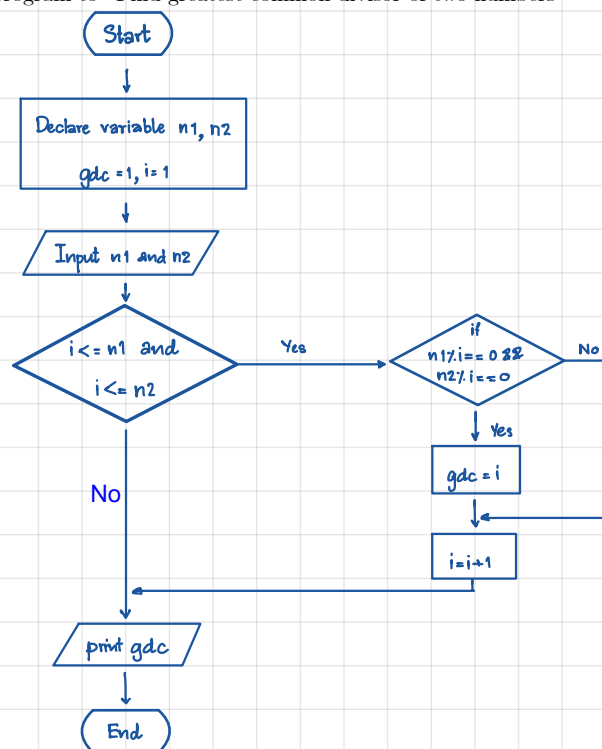


5) Write Flowchart for a program to "Output the first 10 square series"

**Square series example (1,4,9,16,25,36.....)



6) Write Flowchart for a program to "Find greatest common divisor of two numbers"



7) Write Flowchart for a program to “Check Whether a Number is Prime or Not ?”

