

CHIANG MAI UNIVERSITY

Bachelor of Science (Software Engineering)

College of Arts, Media and Technology 1st Semester / Academic Year 2019

SE 103 PROGRAMMING LOGICAL THINKING

Lab Assignment 09: Nested Loop				
Name Object i	Student ID Section			
1)	The student understands the concept of Nested Loop The student can appropriately choose and apply the control structure.			
Note that the nested structure must be used.				

Nested Loop

1. Develop a program to calculate the grade from student's score. The grade criteria are as follows:

Lower bound	Upper bound	Grade
80	100	Α
70	79	В
60	69	С
50	59	D
0	49	F

(Signature)	

- 2. Develop a program to calculate the income tax based on the following criteria.
 - 1) For the first 50,000 baht, the tax is 5%.
 - 2) For the **next** 50,000 baht, the tax is 6%.
 - 3) For the **next** 100,000 baht, the tax is 7%.
 - 4) For the next 100,000 baht, the tax is 8%.
 - 5) Then, the remaining tax is 10%

Test case:

Income	25000	75000	150000	250000	350000
Tax	1250	4000	9000	16500	25500

3.	Write a program to receive integer from user as N, if N is a prime number display "N is prime". Otherwise, display "There is no prime".			
		Signature		
4.	Write a program to receive positive integer numbers from user prime number between 1 to N.	as N and display all of the		
		Signature		
Ex. I	 Write a program to receive 2 positive integer numbers from user as N and M then display a multiplication table of N to M. Ex. N = 2, M = 4 Result: 2 X 1 = 2, 2 X 2 = 4,, 2 X 12 = 24 3 X 1 = 3, 3 X 2 = 6,, 3 X 12 = 36 			
_	4 X 1 = 4, 4 X 2 = 8,, 4 X 12 = 48			
Remark: you can display multiplication table in any format				
		Signature		