

**Student Name:** Hoeurb Vuthi

**Teacher Name:** Pichchenda Sreysorpich

**Major Name:** Management Information System

**Group:** ASL5

**No:** 17

1. Find daily profit

Data-Structure

Input: int orange\_tree = 15, apple\_tree = 18, fruit\_per\_tree = 21;  
float apple\_price = 0.5, orange\_price = 0.7;  
Output: float daily\_profit;

Algorithm:

Logic: apple\_per\_day = apple\_tree \* fruit\_per\_tree;  
orange\_per\_day = orange\_tree \* fruit\_per\_tree;  
daily\_profit = (apple\_per\_day \* apple\_price) + (orange\_per\_day \*  
orange\_price);

Control: Direct Calculation

2. Find total spending and money left

Data-Structure:

Input: int lili\_money = 50, number\_of\_book = 4;  
float book\_price = 11.5;  
output: float total\_spending, money\_left;

Algorithm:

logic: total\_spend = book\_price \* number\_of\_book;  
money\_left = lili\_money - total\_spend;

Control: Direct Calculation

3. Find the needed money for the trip

Data-Structure:

Input: int number\_of\_student = 42, price\_per\_student = 78, money\_have = 500;  
Output: int money\_needed;

Algorithm:

logic: total\_spending = number\_of\_student \* price\_per\_student;  
money\_needed = total\_spending - money\_have;

Control: Direct Calculation