



## Recap Exercise

- Develop a pseudo code for a program to calculate employee income tax based on the following formula:

$$\text{Tax} = 0.25 * (\text{monthly income} * 11 - \text{number of kids} * 450)$$

Your program will display the name of the employee and amount of tax on the screen.

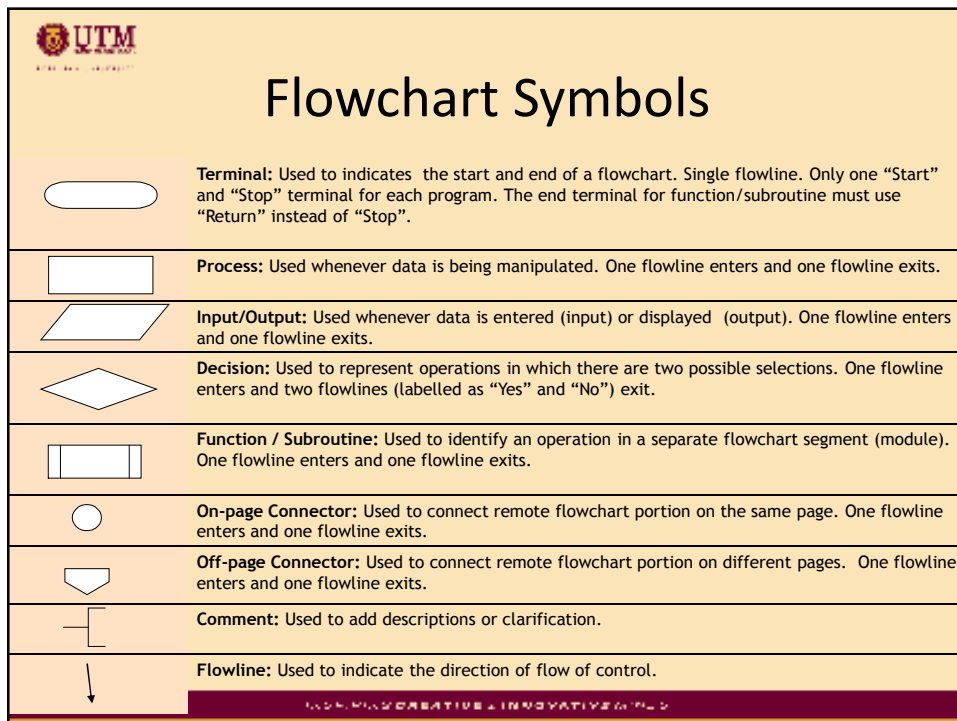
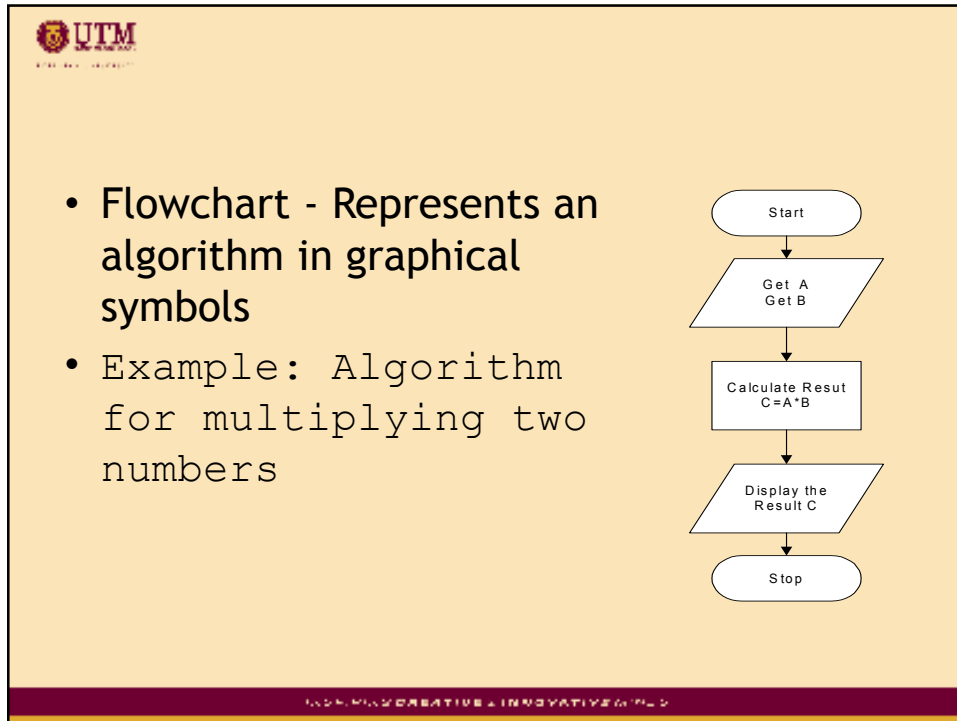
UTM: MORE CREATIVE & INNOVATIVE CAMPUS

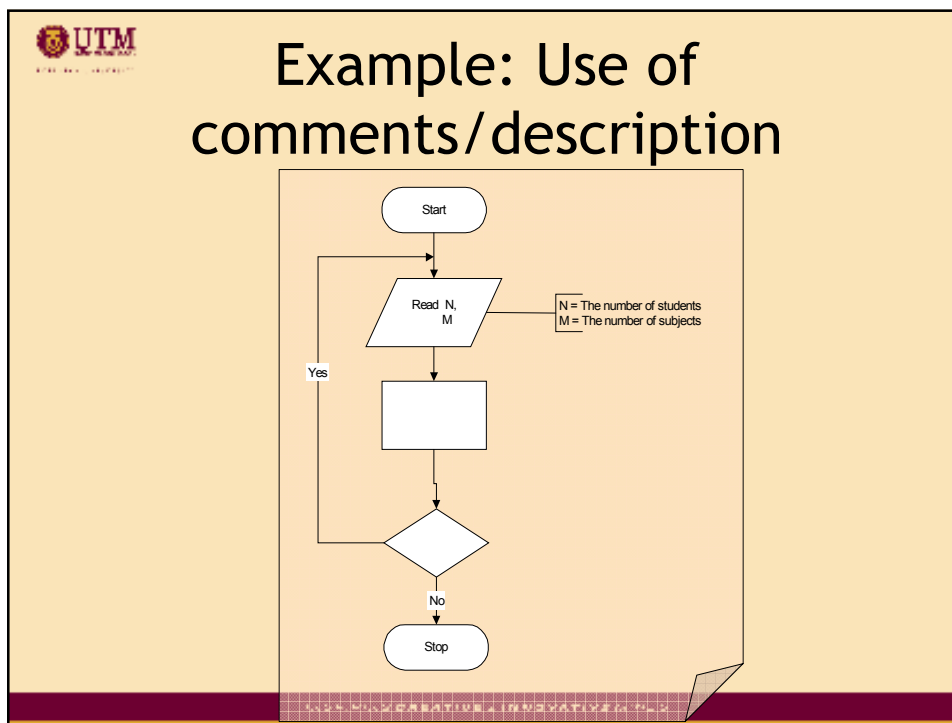
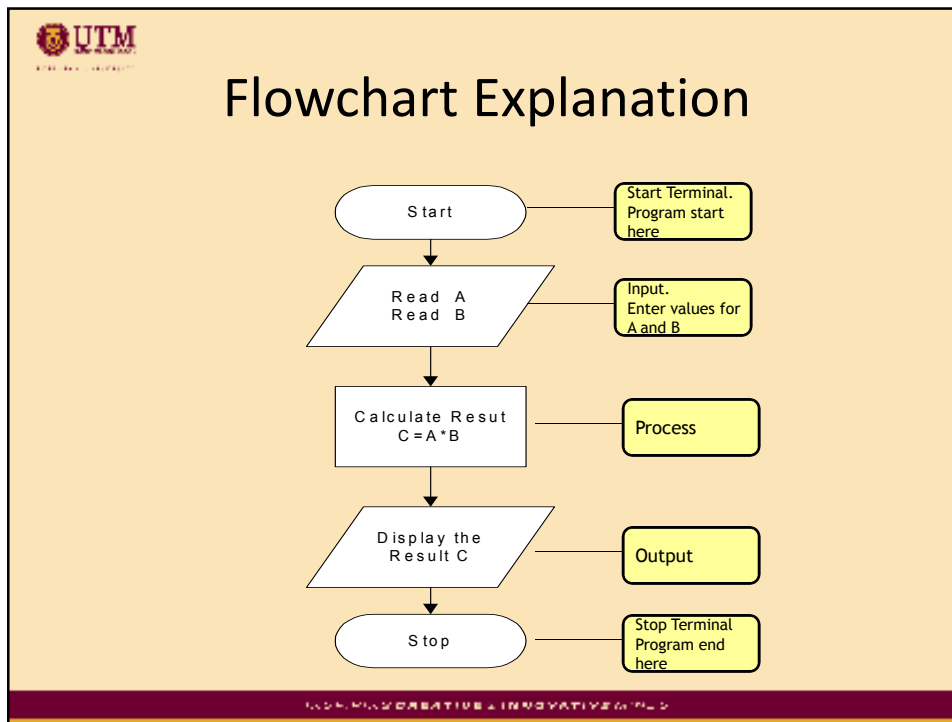


## Flowchart

- Flowchart - a graph of geometrical shapes that are connected by lines.
- 2 important element in flow chart:
  1. geometrical shapes - represent type of statements in the algorithm
  2. Flow line - show the order in which the statements of an algorithm are executed.

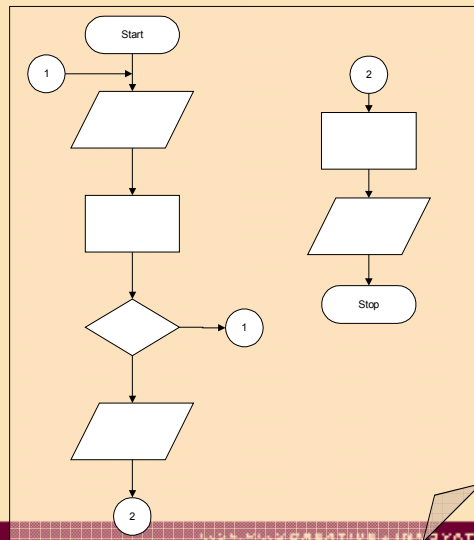
UTM: MORE CREATIVE & INNOVATIVE CAMPUS







## Example: Use of connectors on the same page.

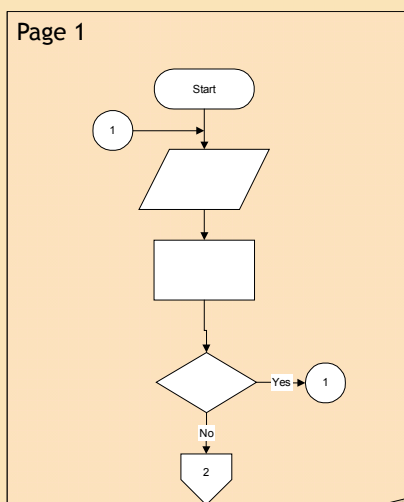


1- connection on the same flowchart portion

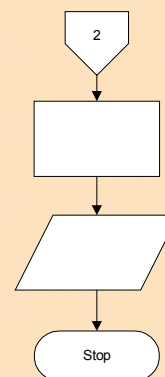
2- connection on the different flowchart portion



## Example: Use of connectors on the different page.



Page 2





## In-Class Exercise

- Refer to your solution for :
  - Lab 2, Exercise 3, No. 1, pg. 27
  - Lab 2, Exercise 3, No. 2, pg. 27
- Complete the exercise

UTM PLUS CREATIVE & INNOVATIVE CAMPUS



## In-Class Exercise

- Draw a flow chart for the following.
    - A program that calculates a customer's available credit should ask the user for the following:
      - The customer's maximum amount of credit
      - The amount of credit used by the customer
- Once these items have been entered, the program should calculate and display the customer's available credit. You can calculate available credit by subtracting the amount of credit used from the maximum amount of credit.

UTM PLUS CREATIVE & INNOVATIVE CAMPUS