[CSC126 : FUNDAMENTAL OF ALGORITHM & COMPUTER PROBLEM SOLVING]

Tutorial 1: Introduction to Programming

|  |  |
| --- | --- |
| Learning Outcomes | After completing this tutorial, you will be able to:  • Construct analysis and design phase in computer problem solving |
| Estimated time to complete this tutorial | 60 minutes |

1. Assume that your weight is x kilograms. You need to convert your weight to pound and display it.



Hint: 1 kg = 2.2 pounds.

* 1. Define the output, input and process of this task.
  2. Write an algorithm.
  3. Write the pseudocode.
  4. Draw the flowchart.

1. The length and width of a rectangle is x cm and y cm respectively. You need to calculate the perimeter and area of rectangle.



* 1. Define the output, input and process
  2. Write an algorithm.
  3. Write the pseudocode.
  4. Draw the flowchart.

1. By assuming retirement age for a government staff is 60 years old, you need to calculate the retirement year based on age and current year input by a user of your program.



* 1. Define the output, input and process
  2. Write an algorithm.
  3. Write the pseudocode.
  4. Draw the flowchart.

Prepared by: Nor Hafizah Abdul Razak [CSC126 : FUNDAMENTAL OF ALGORITHM & COMPUTER PROBLEM SOLVING]

Tutorial 1: Introduction to Programming

1. A finance company will give a loan to a customer for buying a car. Assume the customer received amount of RM100000 for the loan and interest rate is 3.5% per year. Period of repayment is for 10 years. You need to calculate the amount of interest and how much the customer’s owed.



* 1. Define the output, input and process
  2. Write an algorithm.
  3. Write the pseudocode.
  4. Draw the flowchart.

Prepared by: Nor Hafizah Abdul Razak

