## Lab Sheet 4.1: Flowchart and Pseudocode

**Problem:** Given a street number of a one-way street in New York City (NYC), decide the direction of the street, either eastbound or westbound (Hints: in New York City even numbered streets are Eastbound, odd numbered streets are Westbound).

Algorithm of the NYC numbered streets problem

- *Input:* Street Number
- *Processing:* Decide if the street number is divisible by 2
- **Output:** "Eastbound" or "Westbound"

## A. Flowchart

Requirement:

- 1. Based on the above algorithm, draw a flowchart for the NYC numbered streets problem.
- 2. Write your answer on this lad sheet.

## B. Pseudocode

Requirement:

- 1. Based on the algorithm, write the Pseudocode for the NYC numbered streets problem.
- 2. Write your answer on this lab sheet.

Remarks: The above exercises can be referred to "An Introduction to Programming Using Visual Basic 2005", page 36-37.