

## Case Study 3 Specification

### Objectives

You are instructed to use programming design fundamentals concepts to develop a scenario which is applicable to be used as an Employee Service Portal in University of AOL.

The specification and requirements would be listed down in detail as follows.

- University of AOL has different kinds of employees. Employees have an employee number as the primary identifier (As an example: A123456). If the employee number starts with 'A', he/she belongs to Academic staff and if the employee number starts with 'N' he/she belongs to Non-academic staff.
- The type of an employee can be either an Academic or Non-academic.
- When an employee belongs to the Academic staff, he/she may belong to either Computing Department or Business Department. If the last two digits of the employee number is divisible by two without a remainder, he/she is attached to the Computing Department, otherwise attached to the Business Department.
- When an employee belongs to the Non-academic staff, he/she may belong to either Finance Department or HR Department. If the last 2 digits of such an employee number is divisible by two without a remainder, he/she is attached to Finance Department otherwise attached to HR Department.
- Think that someone wants to get the details about a certain employee working in a department, he/she should be able to write the respective employee number, the type of employment and the department name to a file by entering the exact employee number to the proposed system.

### Tasks

1. Create a flowchart for the main flow of the above scenario. (LO2)
2. Create a pseudocode for the main flow of the above scenario. Make assumptions appropriately. (LO2)