Task A - Employee Details

The Folder employee_details contains 2 classes,
i.e., Employee and EmployeeBusinessLogic.

- Create a Test Class, EmployeeTest (should be placed in Binary_Search.Tests -> employee_details folder)

- Write XUnit tests for the following methods in the test class:

  - TestCalculateAppraisal() // Test to check appraisal

  - TestCalculateYearlySalary() // Test to check yearly salary

- You can use this Employee as test input:

  - Employee _employee = new Employee("John", 8000, 25);

Task B - Binary Search

The Folder binary_search contains 2 classes for BinarySearch in both a recursive- and an iterative-version.

- Create 2 Test Classes, one for IterativeBinSearch IterativeBinSearchTest and the other for RecursiveBinSearch RecursiveBinSearchTest (should be placed in Binary_Search.Tests->binary_search folder)

- Write XUnit tests for the following methods in both test classes:

  - ShouldFindIndexOfNumber() // Find present number

  - ShouldReturnNegativeInsertionPointWhenNotFound() // Find not-present number

- You can use this array as test input:

  - private static readonly int[] Fibos = [1, 1, 2, 3, 5, 8, 13, 21, 34, 55];