

***C# BASICS***

**Training Assignments**

| **Document Code** | **25e-BM/HR/HDCV/FSOFT** |
| --- | --- |
| **Version** | **1.1** |
| **Effective Date** | **20/11/2012** |

**Hanoi, 06/2019**

**RECORD OF CHANGES**

| **No** | **Effective Date** | **Change Description** | **Reason** | **Reviewer** | **Approver** |
| --- | --- | --- | --- | --- | --- |
|  | 01/Oct/2018 | Create new | Draft |  |  |
|  | 01/Jun/2019 | Update template | Fsoft template | DieuNT1 |  |
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|  | **CODE: Net.M.A005**  **TYPE: MEDIUM**  **LOC: 190**  **DURATION: 150 MINUTES** |
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# Day 2: Assignment 5: Basic Project

**Objectives:**

* Understand and practice basic of C#.
* Practice code in Visual Studio
* Follow coding convention.

**Business needs:**

* TBD

**Working requirements:**

* Working environment: Visual Studio 2013 or higher.Practice code in Visual Studio
* Delivery: Source code, deployment and testing, reviewing evident packaged in a compress archive.

**Product architecture:**

* N/A

**Technologies:**

The product implements one or more technology:

* C# basic
* Control of Flows

**IO:**

* Console windows

1. **Exercise 1**

Write code to convert number from base 10 to base 2 (natural number to binary number).

Example: 13 -> 1101

Complete your code in **ConvertToBinary** method inside **Net.M.A005.Exercise1**.

Run and check the result S

**Estimated time**: 30 mins

1. **Exercise 2**

Write code to list out first n number of Fibonacci array. Each number is printed in 1 line.

Example: input number 5

1

1

2

3

5

Complete your code in PrintFibonacci method inside **Net.M.A005.Exercise2**.

Update all comments in the project

Run and check the result

**Estimated time**: 60 mins

1. **Exercise 3**

Write code to check a positive integer is prime number or not.

Example:

5 is prime number

6 is NOT prime number

7 is prime number

Complete your code in CheckPrimeNumber method inside **Net.M.A005.Exercise3**.

Update all comments in the project

Run and check the result

**Estimated time**: 60 mins