



## ***C# BASICS***

# **Training Assignments**


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**RECORD OF CHANGES**

No	Effective Date	Change Description	Reason	Reviewer	Approver
1.	01/Oct/2018	Create new	Draft		
2.	01/Jun/2019	Update template	Fsoft template	DieuNT1	

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## Assignment 4: Basic Project Practice

### 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
- » Each exercise is one project inside 1 solution.
- » Delivery: Source code, deployment and testing, reviewing evident packaged in a compress archive.

### Technologies:

The product implements one or more technology:

- » C# basics
- » Control of Flows

### IO:

- » Console windows

**Technical Requirements:**

- Solution name must be **NPL.M.A004**.
- Must create project **NPL.M.A004.Exercise**.

**Software Requirements:**

Write a console application which allows users to input a string (in one of following format: "MM/dd/yyyy", "MM/dd/yyyy hh:mm:ss", "M/d/yyyy h:mm:ss", "M/d/yyyy hh:mm tt", "M/d/yyyy hh tt", "M/d/yyyy h:mm", "M/d/yyyy h:mm"). Then convert that string to datetime value.

After that, write 2 methods to implement following requirements:

- `GetLastDayOfMonth()` - get the last day of the month.  
Example:  
Input: 15/08/2018 is correct and the last day of the month is 31/08/2018
- `CountWorkingDays()` - Count number of working day of the month. Working day is from Monday to Friday, not include Saturday and Sunday.

Example:

Input: 01/05/2019 should return 23.

Run and check the result

**Estimated time:** 60 mins