



MALMÖ HÖGSKOLA

Malmö University

Programming Using C#, Basic Course

Current Date and Time

Exercise – Selection, iteration and
methods

Optional, not to be submitted!

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Current Date and Time

1. Description

Write a program that shows a menu repeatedly as in the figure.

2. Requirements

The application must have at least two classes,

- a class **Menu** containing as many methods as you may think of.
- a starter class, **MenuProgram**, containing a method **Main** to test the above.

3. Guidance

Below is the class definition and a number of suggested methods with related comments for the class **Menu**.

The comments related the method definition that follows, before the separator line

```
***** MENU *****
***** 1. Current short date format
***** 2. Current short time
***** 3. Current long date format
***** 4. Current long time format
***** 0. Exit
*****

***** May I have your choice please: 1

***** YOUR VITUAL CLOCK *****

Current date is: 2008-06-14

***** MENU *****
***** 1. Current short date format
***** 2. Current short time
***** 3. Current long date format
***** 4. Current long time format
***** 0. Exit
*****

***** May I have your choice please: 2

***** YOUR VITUAL CLOCK *****

Current time is : 11:49 PM

***** MENU *****
***** 1. Current short date format
***** 2. Current short time
***** 3. Current long date format
***** 4. Current long time format
***** 0. Exit
*****

***** May I have your choice please:
```

The Menu class:

```
// Menu.cs
// Created: by name, date
// Revised:
// Purpose: This class demos how a menu can be show on a console window.
//          The menu continues until the user chooses to exit.
//          The menu contains choices for date and time.
class Menu
```

METHODS

```
/// <summary>
/// Shows a menu and reads the use choice of how to show the
/// current time, date or both
/// </summary>
public void ShowMenu()
```



```
/// <summary>
/// Read the user's menu choice
/// </summary>
/// <returns>A value representing the user's choice.</returns>
private int ReadMenuChoice()

/// <summary>
/// Help method showing the menu text
/// </summary>
private void WriteMenuText()

/// <summary>
/// Show the results that is a string containing a date/time information
/// </summary>
/// <param name="strOut">String to show.</param>
private void WriteOutput(string strOut)
```

Good Luck!

Programming is fun. Don't give up. Ask for help!

Farid Naisan

Course Coordinator and Instructor