Day 4

The one link you need to recall

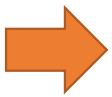
https://ddls.to/20483

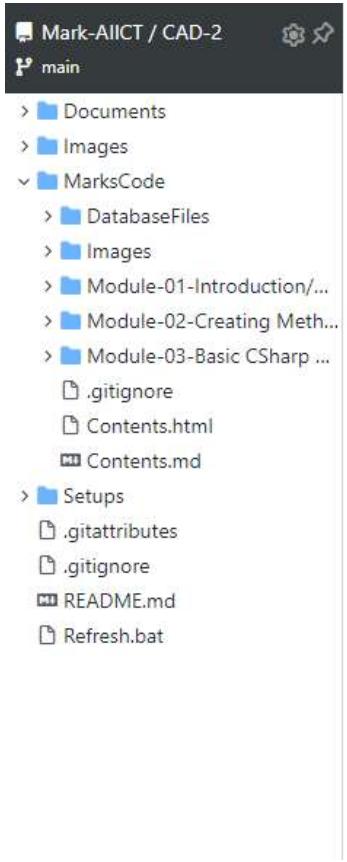
Ready?

Do this every day BEFORE the class starts (takes about 15 minutes) (http://ddls.to/everyday)

1. Launch Lab01.
2. Login to Lab01 as **Admin**.
3. While in the Lab01 environment,
    i. run **cmd.exe** from the Windows Start button.
    ii. Run the command **git clone --depth 1** https://github.com/Mark-AIICT/CAD-2.git **C:\Users\Admin\Desktop\MarksFiles**
    iii. Navigate to **C:\Users\Admin\Desktop\MarksFiles\setups**, then right-mouse click **bootstrap.cmd** and **run as administrator**
    iv. While it's running, Sign in to Visual Studio on the Lab Environment. You can use any Microsoft account.
    v. When the script end it reboots the Virtual Machine. That's necessary.
    vi. Save the lab. (the save link is at the top right of the screen in the dropdown menu)

Remember Octotree?



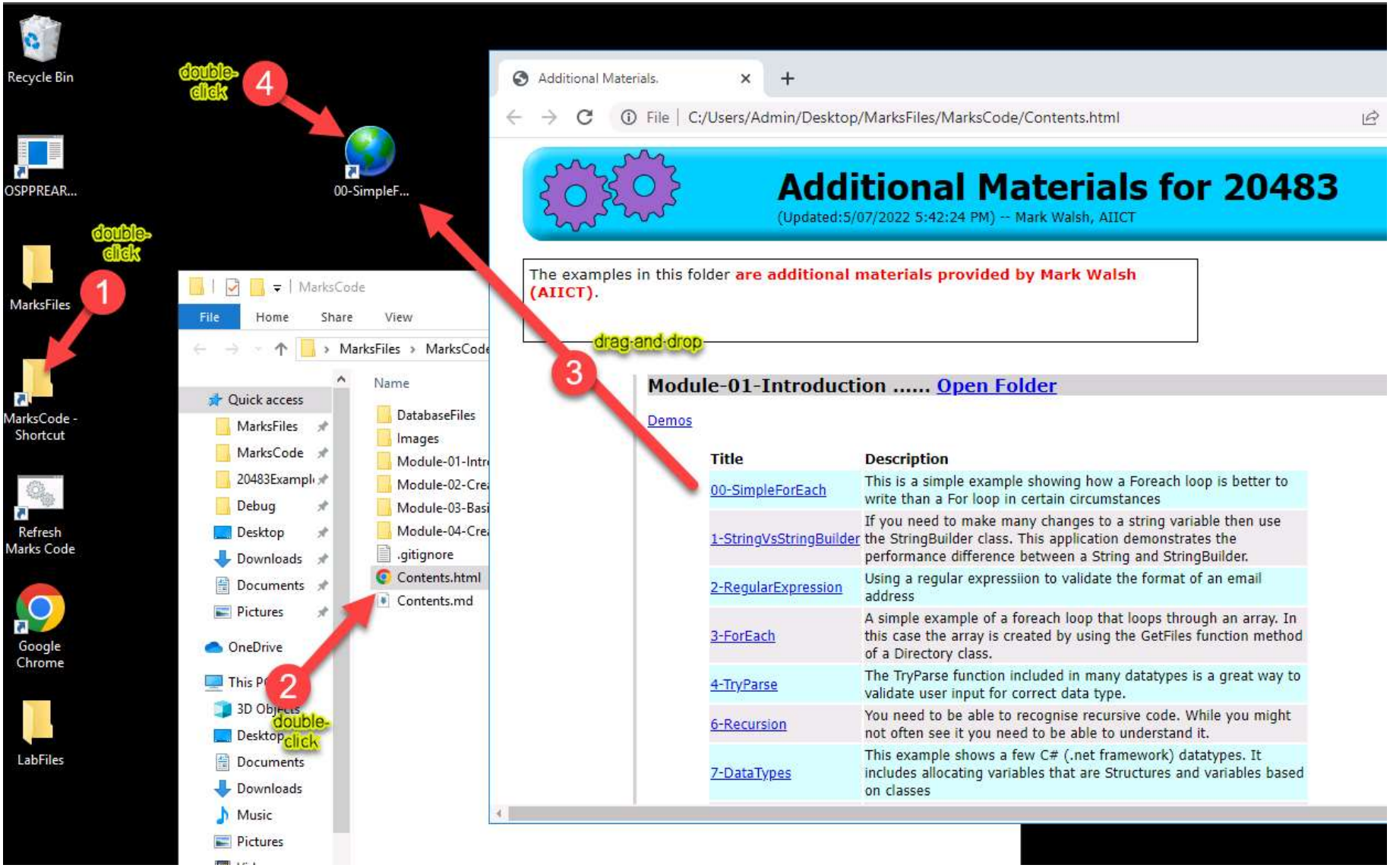


0 contributors

65 lines (59 sloc) | 1.52 KB

```
1   using System;
2   using System.Collections.Generic;
3   using System.Text;
4
5   namespace P29__BitArray_with_indexer
6   {
7       class Program
8       {
9           static void Main(string[] args)
10          {
11              BitArray ba = new BitArray(32);
12              ba[0] = true;
13              ba[1] = false;
14              Console.WriteLine("Press any key to continue"); Console.ReadLine();
15          }
16      }
17
18      public class BitArray
19      {
20
21          private int[] bits;
22          private int length;
23
```

Know this


Recycle Bin
OSPPREAR...
MarksFiles
MarksCode - Shortcut
Refresh Marks Code
Google Chrome
LabFiles
double-click
1
double-click
4
00-SimpleF...
MarksCode
File
Home
Share
View
Quick access
MarksFiles
MarksCode
Debug
Desktop
Downloads
Documents
Pictures
OneDrive
3D Objects
Music
Name
DatabaseFiles
Images
.gitignore
Contents.html
Contents.md
2
double-click
3
drag-and-drop
Additional Materials.
File | C:/Users/Admin/Desktop/MarksFiles/MarksCode/Contents.html
Additional Materials for 20483
(Updated:5/07/2022 5:42:24 PM) -- Mark Walsh, AIICT
The examples in this folder are additional materials provided by Mark Walsh (AIICT).
Module-01-Introduction ..... Open Folder
Demos
Title
Description
00-SimpleForEach
This is a simple example showing how a Foreach loop is better to write than a For loop in certain circumstances
1-StringVsStringBuilder
If you need to make many changes to a string variable then use the StringBuilder class. This application demonstrates the performance difference between a String and StringBuilder.
2-RegularExpression
Using a regular expressiion to validate the format of an email address
3-ForEach
A simple example of a foreach loop that loops through an array. In this case the array is created by using the GetFiles function method of a Directory class.
4-TryParse
The TryParse function included in many datatypes is a great way to validate user input for correct data type.
6-Recursion
You need to be able to recognise recursive code. While you might not often see it you need to be able to understand it.
7-DataTypes
This example shows a few C# (.net framework) datatypes. It includes allocating variables that are Structures and variables based on classes

Course Outline

- Module 1: Review of Visual C# Syntax
- Module 2: Creating Methods, Handling Exceptions, and Monitoring Applications
- Module 3: Developing the Code for a Graphical Application
- Module 4: Creating Classes and Implementing Type-Safe Collections
- Module 5: Creating a Class Hierarchy by Using Inheritance
- Module 6: Reading and Writing Local Data
- Module 7: Accessing a Database