Day 6

The one link you need to recall

https://ddls.to/20483



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)

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

• What is an enum?

• What is a struct?

• What is a constructor?

• What is a property?

• What is an indexer?

• What is linq?

• What is a delegate?

• What is *object-oriented*?

• What is the benefit?

• What is a *class*?

• What is an *object*?

• What does this do?

```
var b = new BankAccount(){number=222};
```

• What does this do?

```
var b = new BankAccount(100){number=222};
```

- What do these mean?
 - Public
 - Private
 - Internal

• What is the difference between a *reference type* and a *value type*?

• What is *static*?

• What is an *interface*?

• What is a *generic*?

• What in OO is *inheritance*?

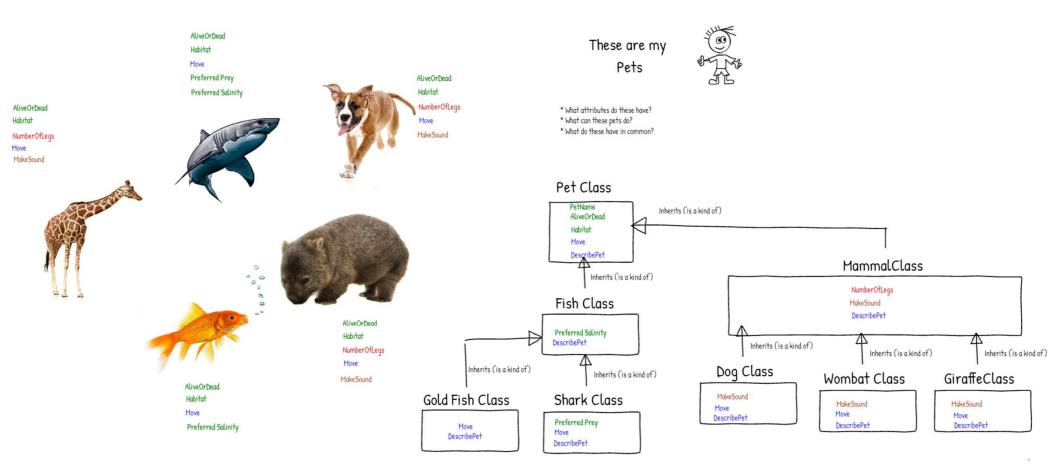
• What is the benefit?

• What is a base class?

• What is another term for a base class?

• What is a *derived class*?

• What is another term for a derived class?



- What do these mean and where would I see them?
 - abstract
 - sealed
 - virtual
 - protected
 - override

What is going on here?

• What is going on here?

base.GetServingTemperature();

• What is an extension method?

• What is the benefit?

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