

# class Coding : for\_Librarians

```
{
    static void Main(string[] args)
    {
        string[] ReasonsToCode = new string[] { "Realize ideas!",
        "Be creative!", "Save money!", "And much more!" };
        foreach (string reason in ReasonsToCode)
        {
            Console.WriteLine(reason);
        }
    }
    void Common_Languages()
    {
        Microsoft.NET = "Languages like C#, Visual Basic.NET, ASP.NET,
        etc. These are used almost exclusively on Microsoft systems.
        They are excellent for beginners. Very active forum community.
        Great for building desktop apps and dynamic web content.";

        Java = "Used almost everywhere. Java can run on virtually any
        platform. It's a great first language. Java forces you to learn
        good coding habits from the get go. The language of Android.";

        PHP = "PHP is one of the most common languages on the web.
        Facebook, Drupal, and many other sites are written in this
        language. Allows for dynamic, interactive web content. Used in
        many open-source projects.";

        C\C++ = "Around since 1969 and 1979 respectively. Taken
        together, these are still the most commonly used languages in
        the world. Used in everything from operating system design to
        robotics to web pages. Most of the common languages use a 'C-
        style' structure. Still, the advanced syntax is very wonky.
        Not great for beginners.";
    }
    void Integrated_Development_Environments(string IDEs = "Where the
        magic happens")
    {
        Microsoft Visual Studio Express = "The development platform for
        Microsoft's .NET languages. Allows you to build desktop apps,
        dynamic websites, and even Windows Store Apps. Great
        autocomplete and intellisense features. Free!
        Eclipse = "One of the most commonly used IDEs. Eclipse allows
        you to build and run apps in languages like Java and C/C++.
        Also free!";
        Notepad++ = "Simple, but powerful. It's like Notepad on
        steroids. Great for building websites and scripts! Free.";
    }
    /* Presented by LibraryLinkNJ, the New Jersey State Library and
    the New Jersey Library Association - Technology Speed Dating
    Parsippany Public Library - January 14, 2014
    Mark Lesniak - mlesniak@rahwaylibrary.org */
}
```

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```
{
void Free_Places_to_Learn(float money = 0.0F)
{
    CodeAcademy["http://www.codecademy.com"] = "A great place to
start! CodeAcademy teaches basic skills in a number of program-
ming languages. Their website lets you test your code right in
your browser! While great for beginners, it's quickly outgrown";

    The New Boston["http://thenewboston.org"] = "Meet Bucky. The New
Boston offers free tutorials in just about every major program-
ming language. While utterly irreverent in style, you'd be hard
pressed to find a more comprehensive site. Perfect for begin-
ners.";

    Pragim Technologies["http://www.youtube.com/user/kudvenkat"] =
"A personal favorite. Mr. Venkat's YouTube channel is easily
the best survey of Microsoft's .NET framework on the web. Great
for anyone with just a tiny bit of experience all the way up to
professional programmers.";

    Derek Banas["http://www.youtube.com/user/derekbanas"] =
"If YouTube had an advanced placement programming section, this
channel would probably top the list. Derek crams a ton of
excellent information into all of his videos. If you want to
take your Java, CSS, or JavaScript skills to the next level,
tune in here! Just remember that you have a pause button!";

    Stanford's CS106A["http://tinyurl.com/3m6e7t"] = "One of the
original MOOCs. CS106A is a full, free, online introduction to
computer programming. Taught in Java, this class will impart
invaluable skills, keep you from major pitfalls, and lay down an
excellent foundation. Don't let the Stanford name scare you.
Dr. Sahami is an amazing instructor!";
}
void Other_Places_to_Learn()
{
    Pluralsight["http://www.pluralsight.com"] = "For about $40 a
month, Pluralsight provides access to a library with literally
hundreds of amazing videos taught by some of the industry's
best.";
    Treehouse["http://teamtreehouse.com"] = "Treehouse is a great
place to learn the ins and outs on everything from SQL databases
to how to build Android and iPhone apps. They tend to be a
little light on the basics. Still, for $25 a month, Treehouse
will introduce you to a number of topics that are hide to find
elsewhere.";
}
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