

Modern Programming Languages (CS508)
SPRING 2012
Assignment No. 4

Total Marks: 20

Dead line: June 27, 2012

Purpose of Assignment:

Intended purpose of this assignment is to give students an exercise using C# programming languages and to provide students with the knowledge and skills they need to develop C# applications for the Microsoft .NET Platform After attempting this assignment students will be able to:

- Familiarize with the basic syntax in C# language.
- Learn about the **Enumeration** data type used in C# and its importance.
- Students will get understanding of basic Arrays syntax and declaration in C#.

Application:

AlstraSoft Web Mail Script Enterprise Application:

Scenario:

Suppose you are developing a **Web Mail Script Enterprise** at **Alstrasoft Pvt Ltd** that strives to be the premier provider of web-based software solutions for businesses worldwide. As a web development and software company, Alstrasoft specialize mainly in web design and software programming.

Evaluation:

Working in this web development environment a web based mail scripting application is required where users need an easy, safe and reliable method of eliminating spam emails by offering disposable email address that expires after a certain time limit. Web Email Script not only provides disposable email service but it is also a C# web mail script with "gmail style" interface.

Now being a Software Developer at this company, you are required to answer following questions keeping in view the above constraints.

a) Consider the following piece of code implemented in C#.from the following code answer the following questions.

```
using System;
public class Textstyle
{
    enum TEXT {
        Bold=1,
        Underlined,
        Italicized,
        HyperLink,
    };

    int s=TEXT.Bold;

    TEXT t=s;

    If(s=TEXT.Bold)
    {
        Console.WriteLine("Text is Bold");
    }
    If(s=TEXT.Underlined)
    {
        Console.WriteLine("Text is Underlined");
    }
}
```

Identify the error in above C# code snippet, Also in order to get this code to compile what you would have to do write corrected code version.[10]

b) In the above code block in C# considering the following if statements which statement will return 'TRUE' and which will return 'FALSE'.justify your answer.[5]

```
If(s=Text.Bold)
{
    Console.WriteLine("Text is Bold");
}
If(s=Text.Underlined)
{
    Console.WriteLine("Text is Underlined");
}
```

c) Populate an array named “**Email**” in C# with a predefined set of elements as: 'Spam,Junk,Trash,Drafts,conversations".[5]