Words to Digits

Solution Slides

Having a string representation of a number, you need to print the digit form of the number. Ask the user to enter a string representation of a number from zero to ten. Using switch case, print the digit (0-10) representation of the number.

```csharp
static void Main(string[] args)
{
    //print the digit form of a number using the string representation of the number
    //ask the user to enter a string representation of a number from zero to 10
    //using switch case, print the digit (0-10) representation of the number

    Console.WriteLine("Type in the word notation for a number from zero to ten");
    string number = Console.ReadLine();

    switch (number)
    {
        case "zero":
            Console.WriteLine("0");
            break;
```

Ask the user to type in a word form of a number from zero to ten

Once they type in the word, assign it to a string variable.

```
16
17      Console.WriteLine("Type in the word notation for a number from zero to ten");
18      string number = Console.ReadLine();
19
```

When the user types in a word version of a number, then use case notation to convert the word to the digit version of the number, and print it to the screen.

```
20    switch (number)
21    {
22        case "zero":
23            Console.WriteLine("0");
24            break;
25
26        case "one":
27            Console.WriteLine("1");
28            break;
29
30        case "two":
31            Console.WriteLine("2");
32            break;
```

Additional cases in the sequence

The cases go through ten, then finish with a default.

```
52          break;
53
54          case "eight":
55              Console.WriteLine("8");
56              break;
57
58          case "nine":
59              Console.WriteLine("9");
60              break;
61
62          case "ten":
63              Console.WriteLine("10");
64              break;
65
66          default:
67              Console.WriteLine("Your input was not a written number between zero and ten");
68              break;
69
70      }
```