

```
using System;
```

```
public class Program
```

```
{
```

```
    public static void Main()
```

```
    {
```

```
        Console.WriteLine("string to Hex Array\n");  
        stringToHex();
```

```
        Console.WriteLine("\nconvert Hex to Ascii\n");  
        ToAsciiDigit();
```

```
    }
```

```
    private static void stringToHex()
```

```
    {
```

```
        string values = "abcd";  
        string Index = "1234";
```

```
        for (int i = 0; i < values.Length; i++)
```

```
        {
```

```
            int convertedIndex = values[i] - 97; // Convert lowercase letters to indexes.  
            Console.WriteLine("hexLetter: " + values[i] + " index: [" + Index + "]);
```

```
        }
```

```
    }
```

```
    private static void ToAsciiDigit()
```

```
    {
```

```
        string Index = "1234";  
        for (int i = 0; i < Index.Length; i++)
```

```
        {
```

```
            int convertedDigit = Index[i] - 48;  
            Console.WriteLine("indexHex: " + Index + " convertedDigit: " + "[" +
```

```
convertedDigit + "]);
```

```
        }
```

```
    }
```

```
}
```