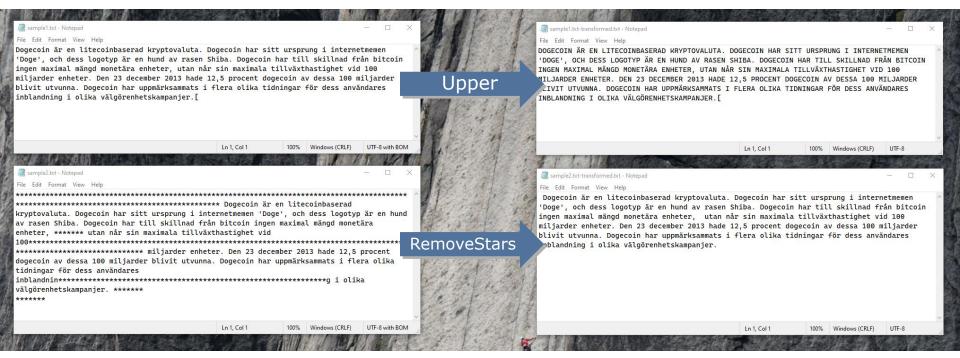# Module

Abstract Classes

Transformations

sample1.txt

sample1_transformed.txt

Upper

sample2.txt

RemoveStars

sample2_transformed.txt

Transformations

Read file from disk
Transform all letters to uppercase
Save file to disk

```
class UpperCaseFileTransformer
{

}
```

Read file from disk
Remove all stars
Save file to disk

```
class RemoveStarsFileTransformer
{

}
```

```
class FileTransformer
{

}
```

Read file from disk
Transform
Save file to disk

Abstract classes

```csharp
abstract class FileTransformer
{

    public void TransformFile(string filename) ...

    protected abstract string Transform(string content);

}
```

```csharp
class UpperCaseFileTransformer : FileTransformer
{
    protected override string Transform(string content)
    {
        return content.ToUpper();
    }
}
```

```csharp
class RemoveStarsFileTransformer : FileTransformer
{
    protected override string Transform(string content)
    {
        return content.Replace("*", "");
    }
}
```