Text Editors and IDE

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Text Editor

> ### Any software that can be used to edit text is called a text editor

The **"Notepad"** program in your Windows is an example of Text Editor.

Here's how a basic HTML code will look in Notepad.

```
awsomesite - Notepad
File  Edit  Format  View  Help
<!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
        <title>My First Web page</title>
</head>
<body>
        <h1>My First Web Page</h1>
        <p>Welcome to Mashup! You are going to be awesome!</p>
</body>
</html>
```
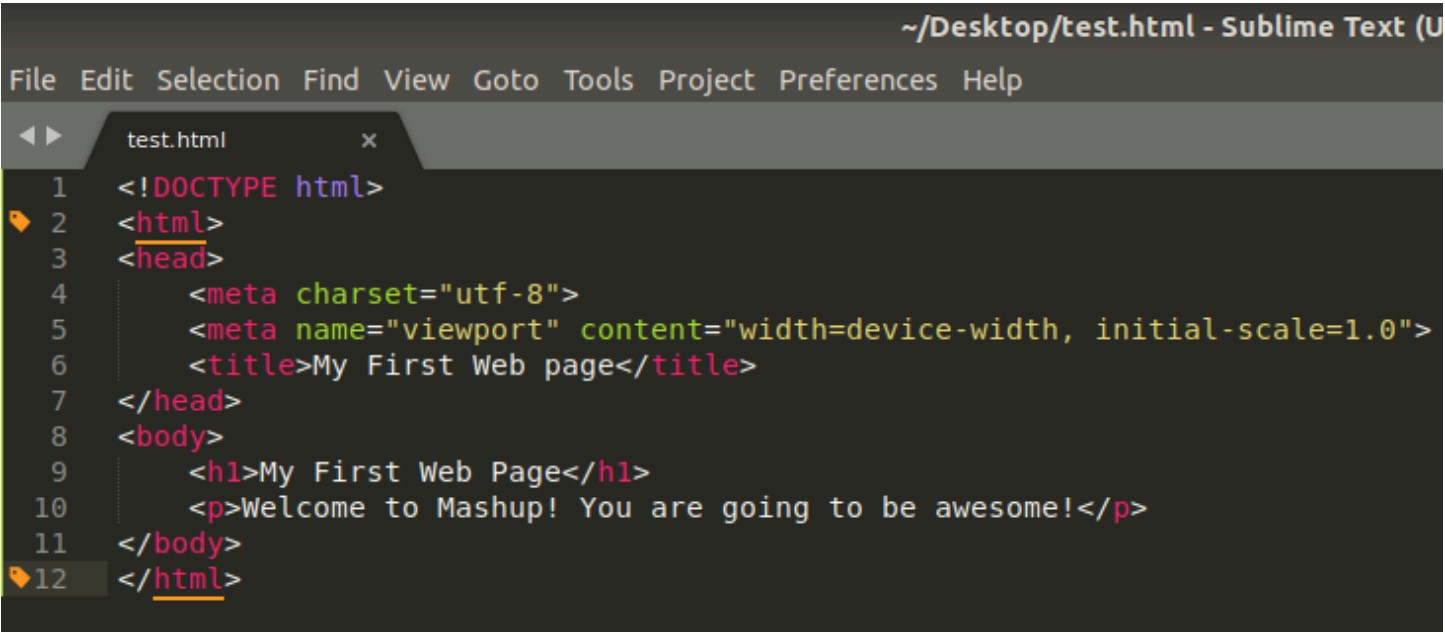
A basic HTML page in Notepad

You can use Notepad to edit any normal text. However, notepad has very limited features.

When you start creating larger code, it becomes difficult and extremely time consuming to code in Notepad. There are more powerful editors available. Some of them are free while some of them are paid. However, all of them have more features than Notepad.

Sublime Text and **VS Code** are examples of two such more powerful Text Editors.
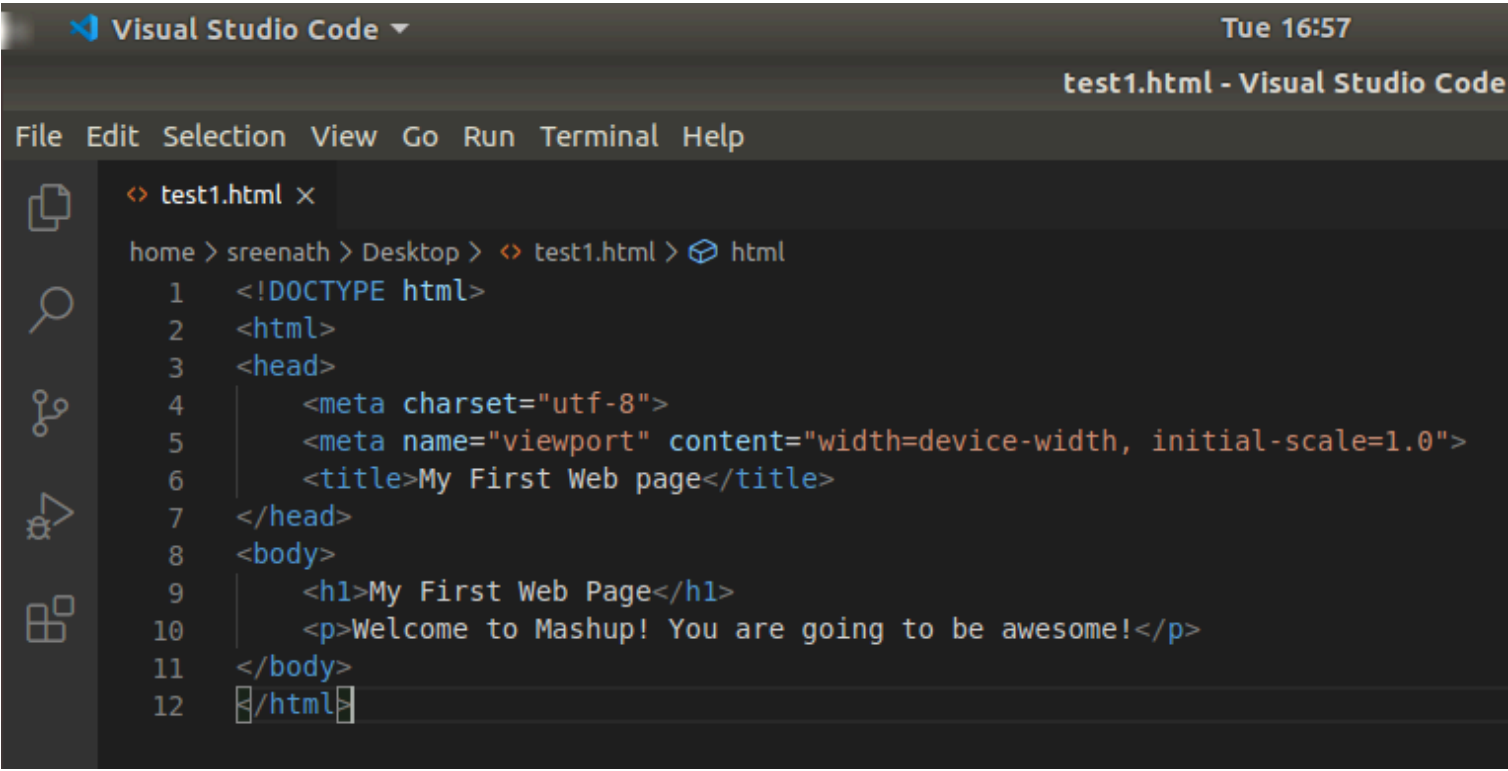
The HTML code, when viewed in Sublime Text Editor will look like this.

Example of HTML Code in Sublime Text

The same code when viewed in VS Code editor will look like this.

Example of HTML Code in VSCode

IDE - Integrated Development Environment

When the features inside the editor starts increasing, you stop calling it a Text Editor and instead call it IDE (Integrated Development Environment)
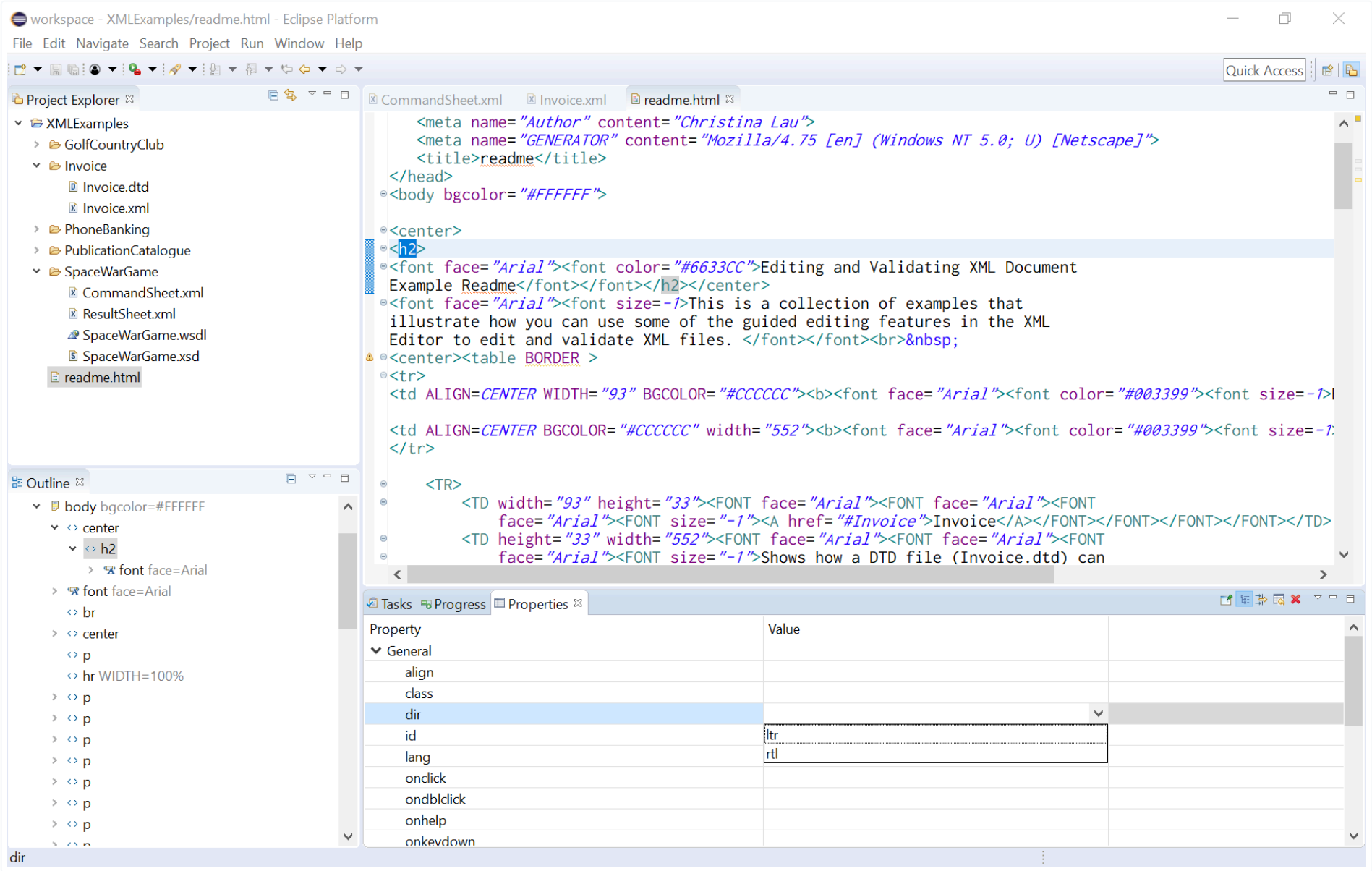
It contains a LOT of features to make the development process easier and faster for developers.

Some of such features include build automation tools, debugger, source code editor with autocomplete, syntax highlight, syntax error checking etc. (It's okay if you don't understand it now. You will learn more about all these later.)

However please understand that there is no such clear distinction between Text Editors and IDEs. So some of us will call certain software as IDE while others may call it as Text Editors. There is always a confusion around this. Let's not spend too much time in such trivial matters though.

Examples of such IDE are:-

- Netbeans
- VS Code
- Eclipse
- Visual Studio
- Atom
- Bracket etc..

Example of HTML Code in Eclipse IDE

As part of our course, we recommend using any of the following editors to create HTML code.

- Sublime Text 3
- VS Code

Summary

- HTML files can be created in Notepad or in Advanced Text Editors/IDEs such as Sublime Text, VS Code etc..
- **IDE** stands for **Integrated Development Environment**. Examples include VS Code, Sublime Text, Eclipse, Netbeans, Visual Studio etc...

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