Getting started with LaTeX

In TeXStudio, start by opening a new file. Do this by clicking the new file icon, or by going File > New, or by pressing Ctrl+N.

The new document appears in the middle of the screen. This is where you write your code.

A LaTeX document has two parts - the header and the document itself. In the header, we must tell LaTeX what sort of document we want to write. We will write an article, so add this line to the top of your file.

```
\documentclass{article}
```

Below this, we put the actual document. We indicate where this will go using

```
\begin{document}



\end{document}
```

Within the document, write some text.

You could also write some maths. We'll learn more about how to do this later, but for now here is the code for an integral.

```
\[ \int x^2 dx \]
```

The whole document should now look something like this:

```
\documentclass{article}

\begin{document}

    Hello.

    \[ \int x^2 dx \]

\end{document}
```
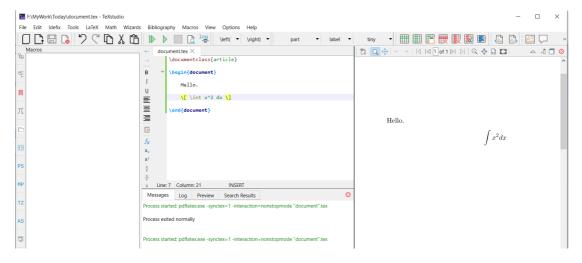
To run this code through LaTeX to turn it into a PDF document, press the build button.

This builds the document, you get output at the bottom of the window, and produces a PDF document which appears to the right.

Process exited normally

Page 1 of 1   105%   en_GB   UTF-8   Ready   Automatic