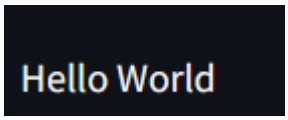
Streamlit Basics

In any file that we need to use Streamlit, it must start with:

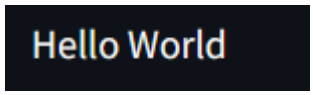
```
import streamlit as st
```

Basic Markdown

```
st.write("Hello World")
```




```
st.markdown("Hello World")
```



Formatting and Colouring

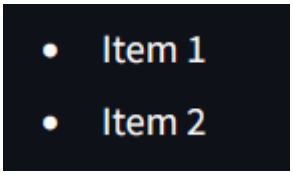
In this course, we will mainly be using `st.markdown()` instead of `st.write()` due to the extra functionalities that Markdown have.

```
# To Bold
st.markdown("**Bolded**")
# To Colour Red
st.markdown(":red[Red]")
# To Colour Blue
st.markdown(":blue[Blue]")
# To Bold and Colour (Red)
st.markdown("**:red[Bolded Red]**")
# Bold and Colour Blue
st.markdown("**:blue[Bolded Blue]**")
```

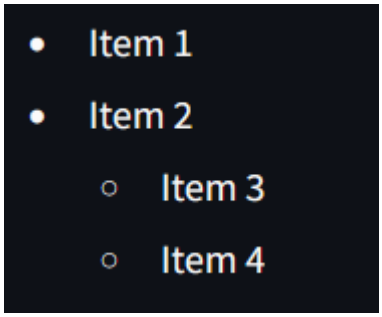
Bullet Points

For us to present in a bullet points, we would need to use multi-line strings:

```
st.markdown("""
* Item 1
* Item 2
""")
```



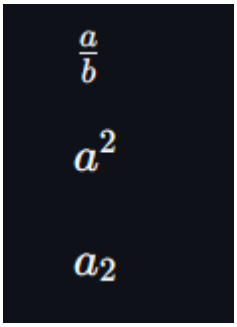
```
st.markdown("""
* Item 1
* Item 2
    * Item 3
    * Item 4
""")
```



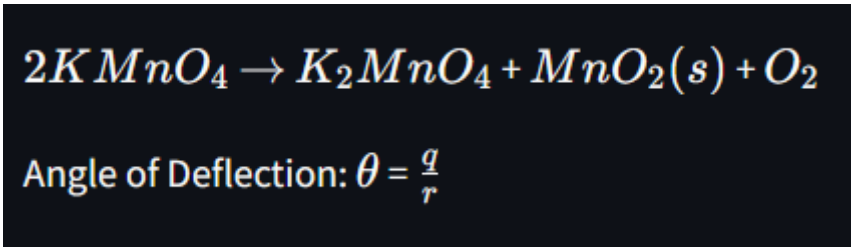
Latex

All Supported Symbols are listed here: https://katex.org/docs/supported.html

```
# Fraction
st.markdown(r'$\frac{a}{b}$')
# Power / SuperScript
st.markdown(r'$a^{2}$')
# SubScript
st.markdown(r'$a_{2}$')
```




```
st.markdown(r'$2KMnO_{4}$ $\rightarrow$ $K_{2}MnO_{4}$ + $MnO_{2}(s)$ + $O_{2}$')
st.markdown(r'Angle of Deflection: $\theta$ = $\frac{q}{r}$')
```



Images in Streamlit

```
from PIL import Image # Import this at the start
example_one = Image.open("example.png")
st.image(example_one)
```