Beamer Basics

Beamer is a document class for making presentation slides.

```
\documentclass{beamer}

\begin{document}

\begin{frame}



\end{frame}

\end{document}
```

Beamer Basics

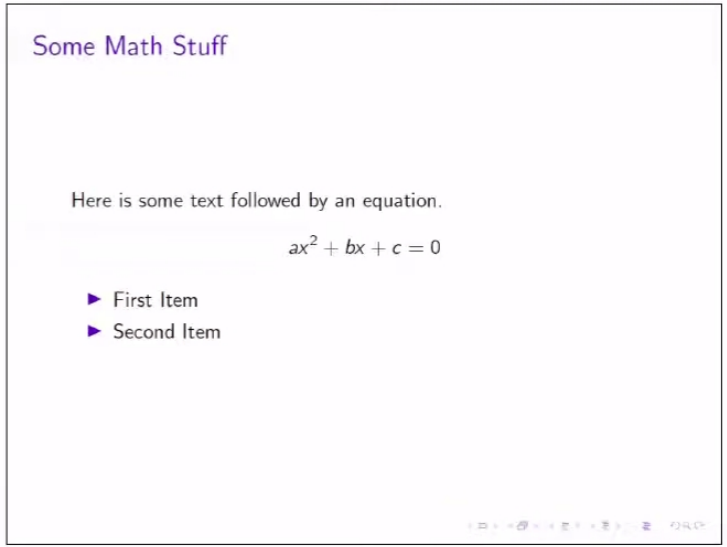
Beamer is a document class for making presentation slides.

```
\documentclass{beamer}

\begin{document}

\begin{frame}
\frametitle{Frame Title}

This is the content of the frame.

\end{frame}

\end{document}
```

Beamer Basics

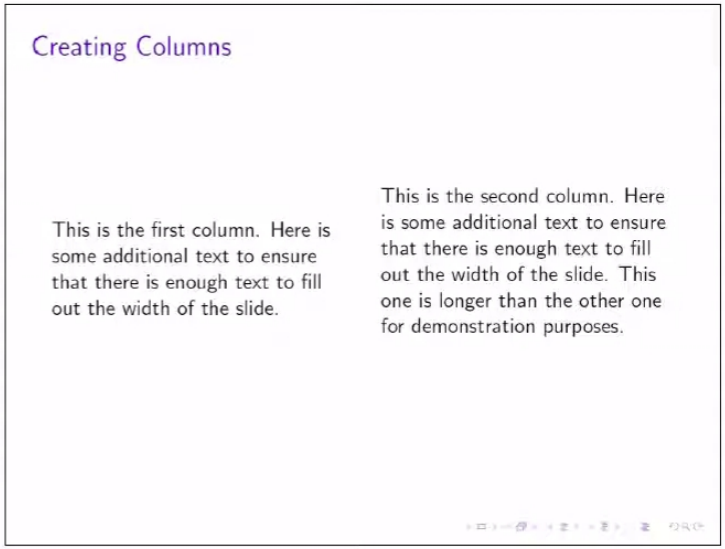
Beamer is a document class for making presentation slides.

```
\begin{frame}
\frametitle{Some Math Stuff}

Here is some text followed by an equation.
  \[ ax^2 + bx + c = 0 \]

\begin{itemize}
  \item First Item
  \item Second Item
\end{itemize}

\end{frame}
```



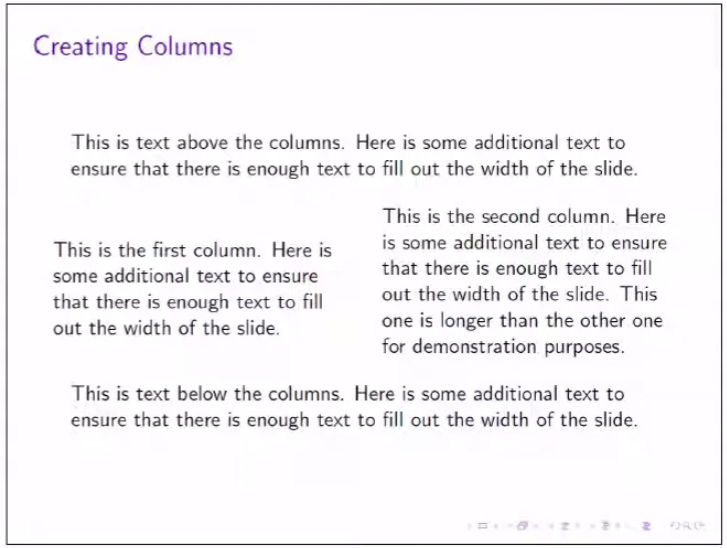
Columns

```
\begin{frame}
\frametitle{Creating Columns}



\begin{columns}

\column{0.5\linewidth}
This is the first column...

\column{0.5\linewidth}
This is the second column...

\end{columns}



\end{frame}
```



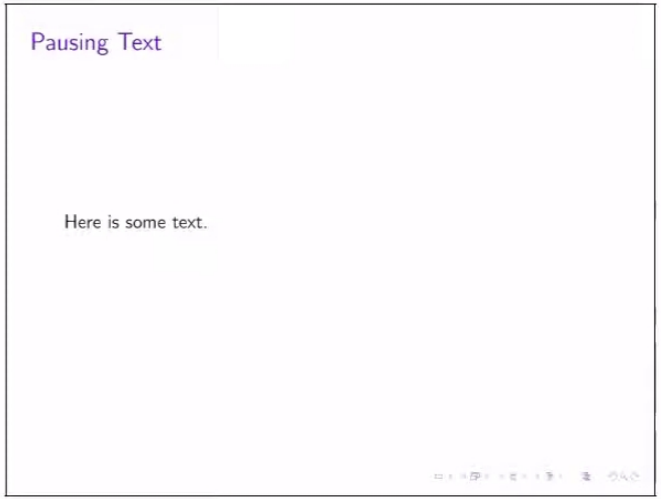
Columns

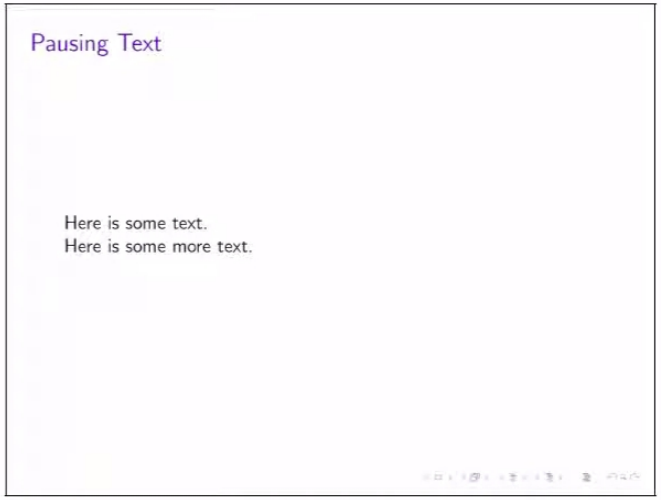
```
\begin{frame}
\frametitle{Creating Columns}

This is text above the columns...
\vspace{5mm}

\begin{columns}

\column{0.5\linewidth}
This is the first column...

\column{0.5\linewidth}
This is the second column...

\end{columns}

\vspace{5mm}
This is text below the columns...

\end{frame}
```



Pause

```
\begin{frame}
\frametitle{Pausing Text}

Here is some text.

\pause

Here is some more text.

\end{frame}
```





Multiple Pauses

Multiple Pauses

WE

Multiple Pauses

WE WILL

Multiple Pauses

WE WILL
WE

Multiple Pauses

WE WILL
WE WILL

Multiple Pauses

WE WILL
WE WILL
ROCK

Multiple Pauses

WE WILL
WE WILL
ROCK YOU!!

Specification Overlays

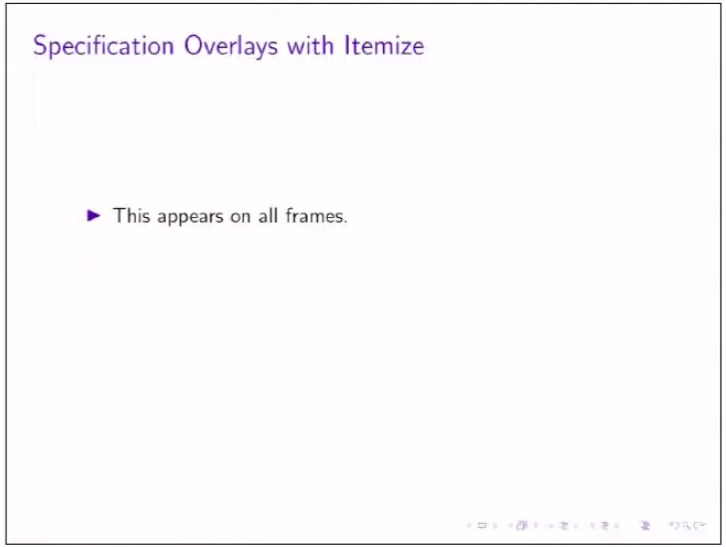
Defines the slides in the frame where the feature applies.

`<2>`	Slide 2 only
`<1-4>`	Slides 1 through 4, inclusive
`<3->`	Slides 3 through the end
`<1, 3-4, 6->`	Slides 1, 3, and 4, and 6 through the end

Specification Overlays

```
\begin{frame}
\frametitle{Specification Overlays and Itemize}

\begin{itemize}
  \item<1-> This appears on all frames.
  \item<2-3> This appears on frames 2 and 3.
  \item<2> This appears on the second frame only.
  \item<2,4> This appears on frames 2 and 4.
\end{itemize}

\end{frame}
```

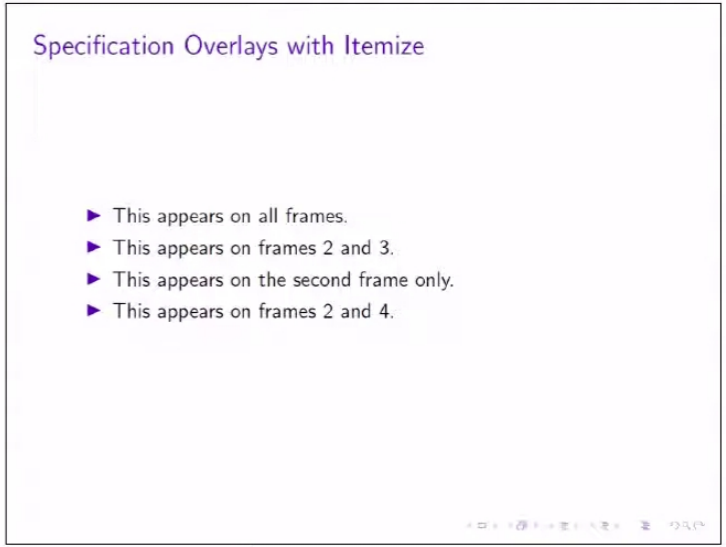
Frame 1/4



Specification Overlays

```
\begin{frame}
\frametitle{Specification Overlays and Itemize}

\begin{itemize}
  \item<1-> This appears on all frames.
  \item<2-3> This appears on frames 2 and 3.
  \item<2> This appears on the second frame only.
  \item<2,4> This appears on frames 2 and 4.
\end{itemize}

\end{frame}
```

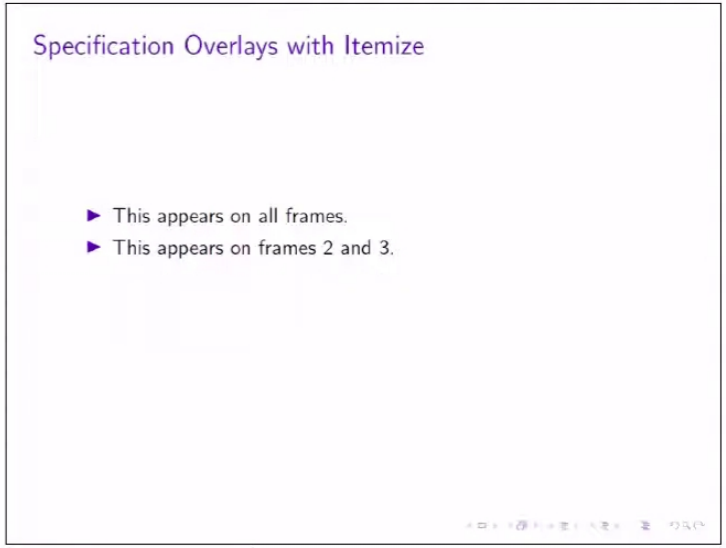
Frame 2/4



Specification Overlays

```
\begin{frame}
\frametitle{Specification Overlays and Itemize}

\begin{itemize}
  \item<1-> This appears on all frames.
  \item<2-3> This appears on frames 2 and 3.
  \item<2> This appears on the second frame only.
  \item<2,4> This appears on frames 2 and 4.
\end{itemize}

\end{frame}
```

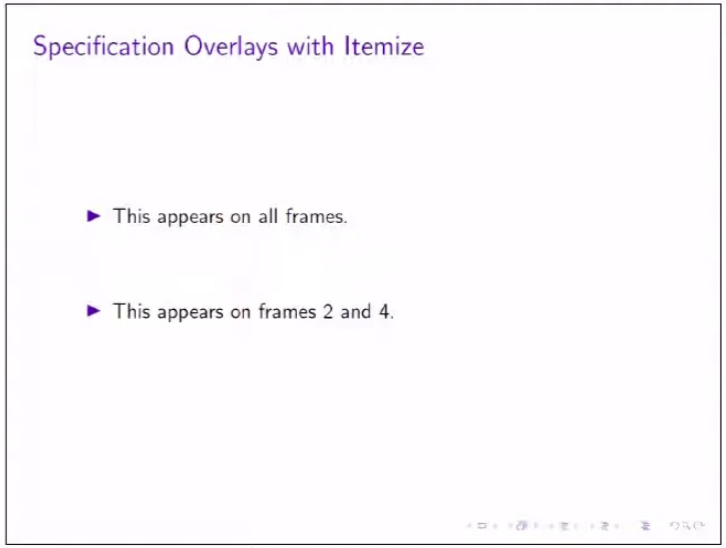
Frame 3/4



Specification Overlays

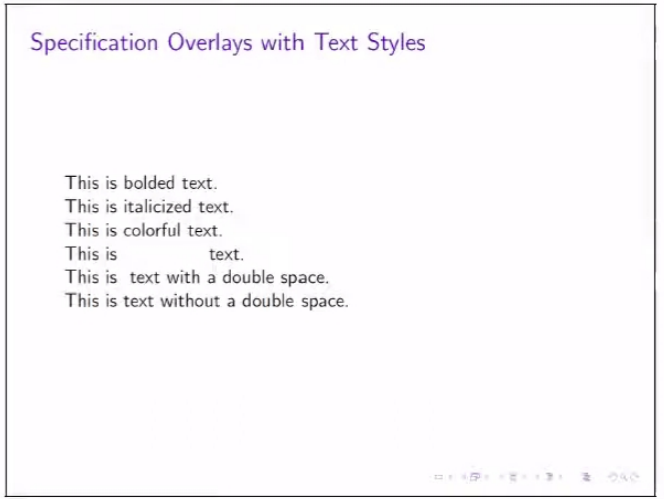
```
\begin{frame}
\frametitle{Specification Overlays and Itemize}

\begin{itemize}
  \item<1-> This appears on all frames.
  \item<2-3> This appears on frames 2 and 3.
  \item<2> This appears on the second frame only.
  \item<2,4> This appears on frames 2 and 4.
\end{itemize}

\end{frame}
```

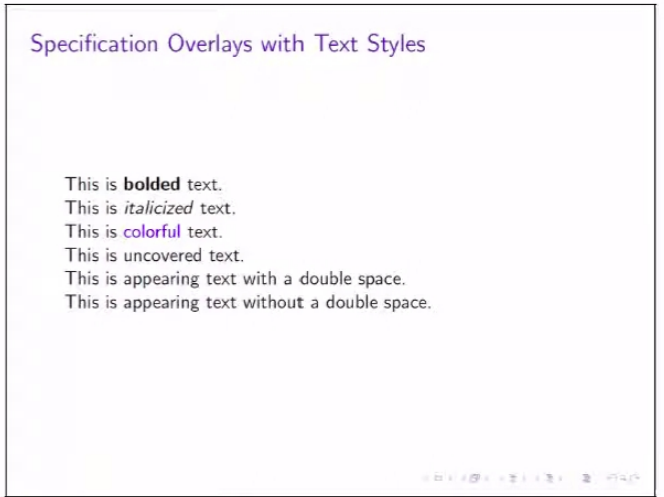
Frame 4/4



Specification Overlays

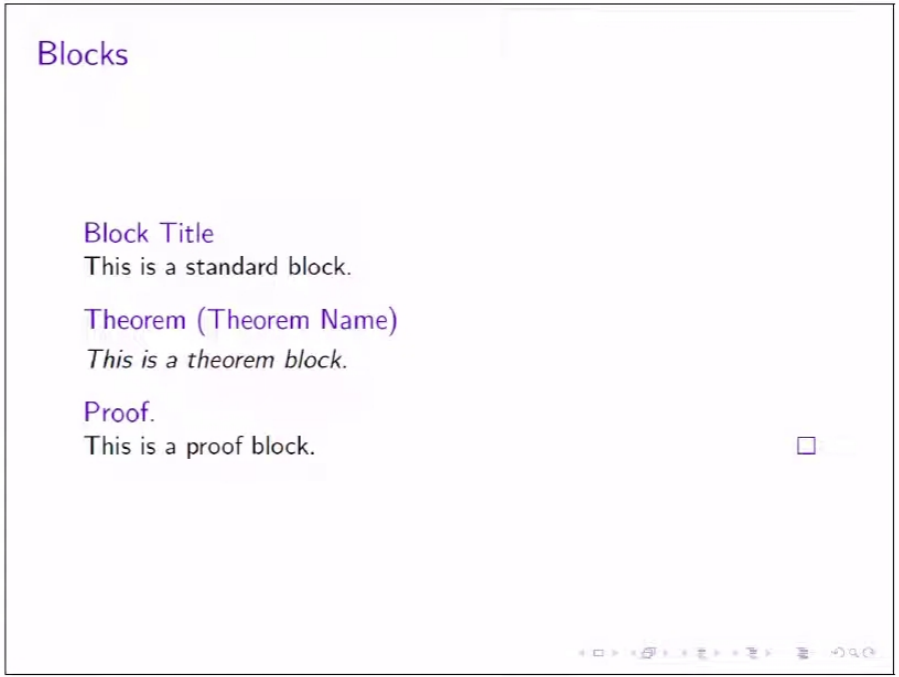
```
\begin{frame}
\frametitle{Specification Overlays and Text Styles}

This is \textbf<2>{bolded} text.

This is \textit<2>{italiticized} text.

This is \textcolor<2>{blue}{colorful} text.

This is \uncover<2>{uncovered} text.

This is \only<2>{appearing} text with a double space.

This is\only<2>{ appearing} text without a double space.

\end{frame}
```





Blocks

```
\newtheorem{thm}{Theorem}


\begin{frame}
\frametitle{Blocks}

\begin{block}{Block Title}
  This is a standard block.
\end{block}

\begin{thm}[Theorem Name]
  This is a theorem block.
\end{thm}

\begin{proof}
  This is a proof block.
\end{proof}

\end{frame}
```



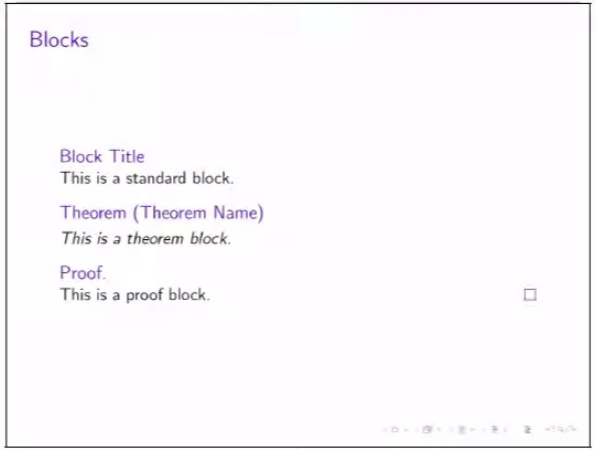
Themes

```
\usetheme{ name }
\usecolortheme{ name }
```

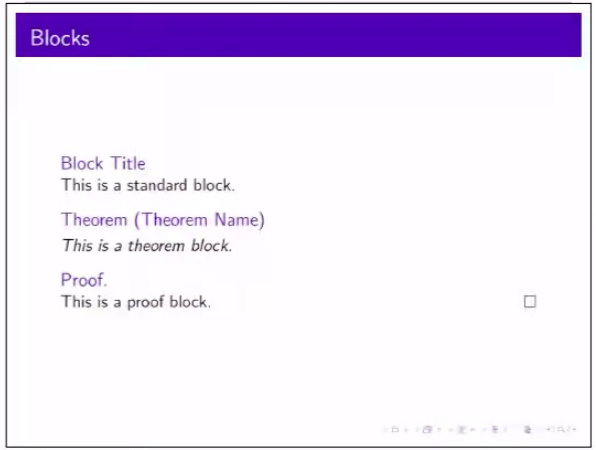
Themes are location names

Color themes are animal names

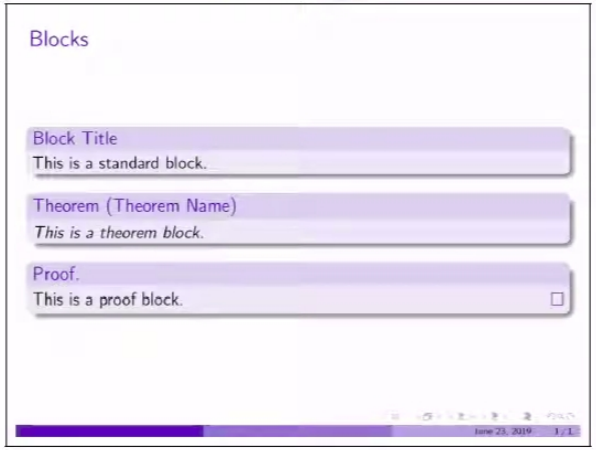
Default



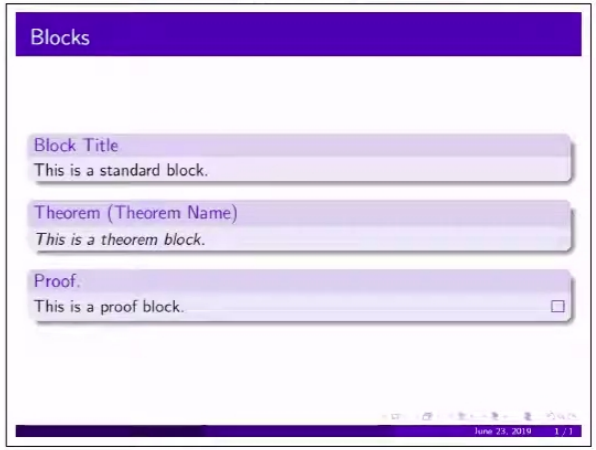
whale



boadilla



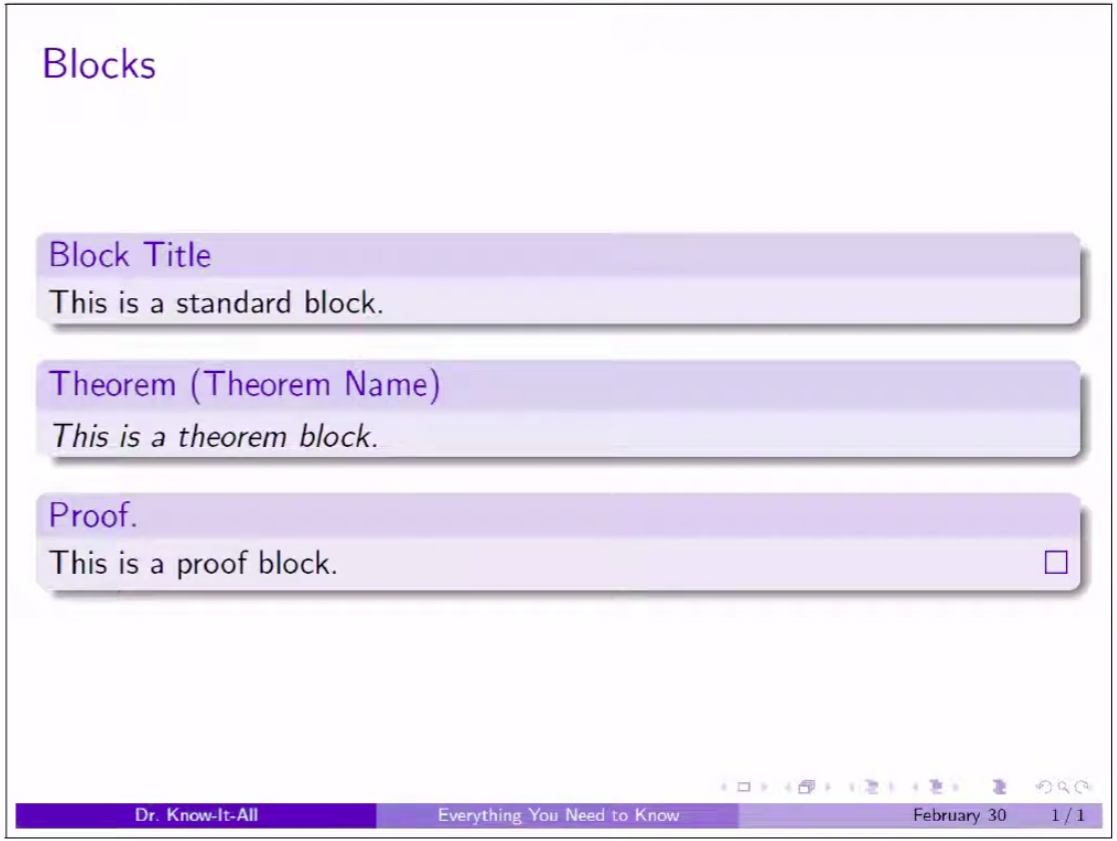
boadilla and whale



Themes

```
\title{Everything You Need to Know}

\author{Dr.\ Know-It-All}

\date{February 30}
```

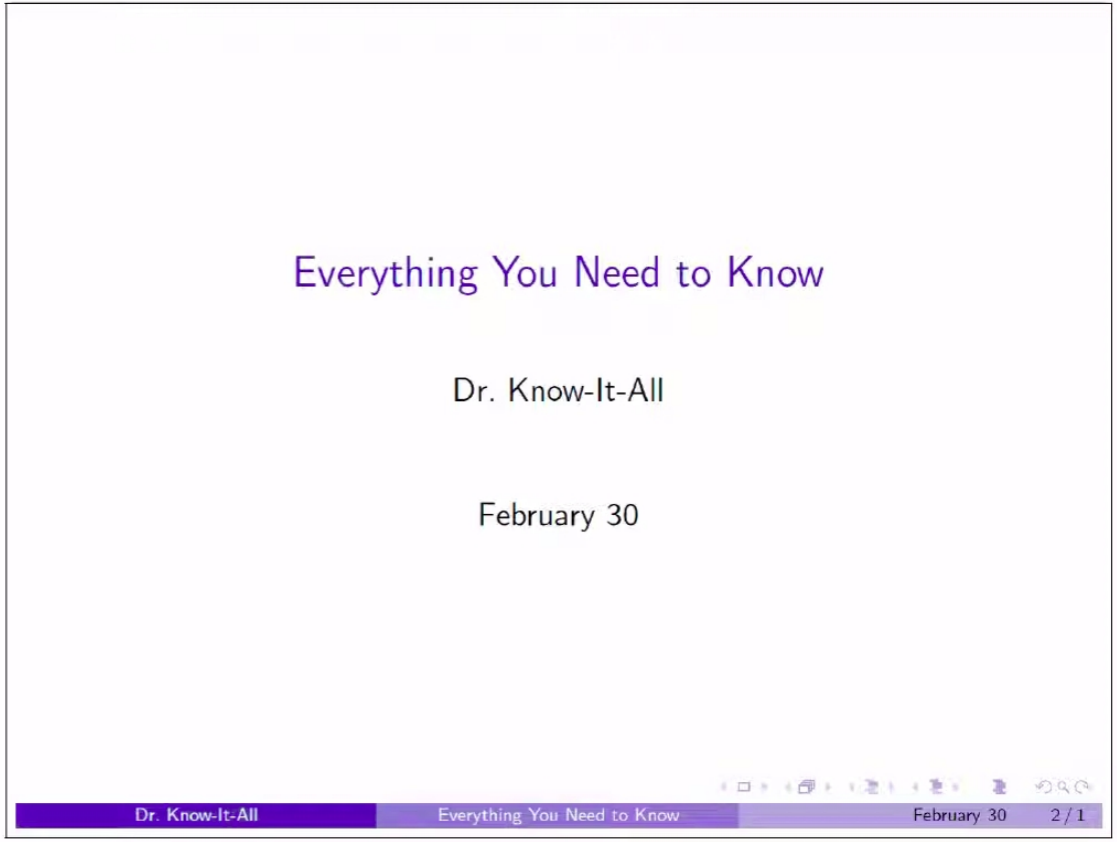
boadilla



Themes

```
\title{Everything You Need to Know}

\author{Dr.\ Know-It-All}

\date{February 30}


\begin{frame}
  \maketitle
\end{frame}
```

boadilla

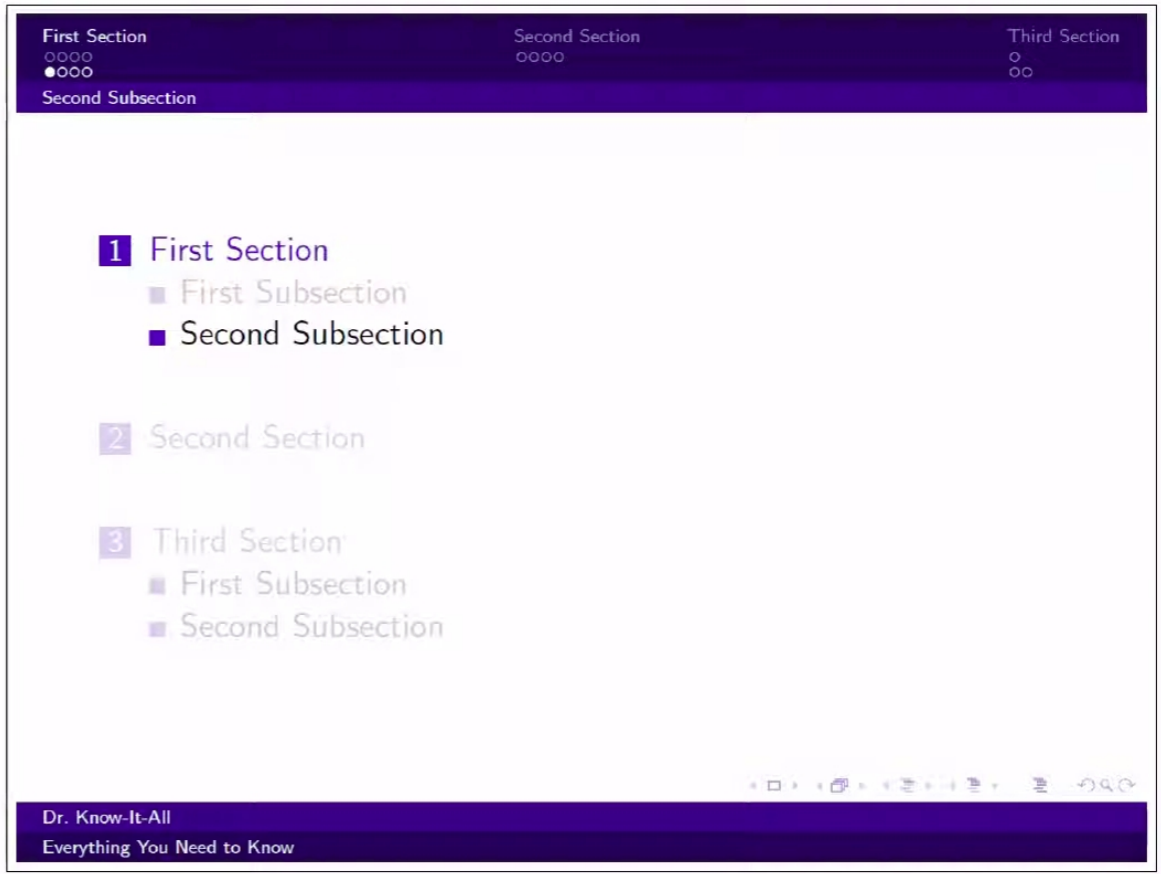


Structure

```
\begin{frame}
  \maketitle
\end{frame}
```

berlin

Structure

```
\begin{frame}
  \tableofcontents
    [currentsection,
     currentsubsection]
\end{frame}
```

berlin