# Lab 6

Research Methodology in Computer Science

By completing the exercises, you should be able to:

- create a simple presentation slides using LATEX
- apply a template to beamer

we're going to create a simple presentation using the beamer package. Try the following code. Take note that the output is a PDF.

```
\documentclass{beamer}
%Information to be included in the title page:
\title{How to score A+ in Research Methodology in Computer Science}\author{Dr Hui-Ngo Goh}\institute{Multimedia University}
\date{2025}
\begin{document}
\frame{\titlepage}
\begin{frame}
\frametitle{Introduction}
Are you ready?  deng deng deng\end{frame}
\end{document}
```



How to score A+ in Research Methodology in Computer Science

Dr Hui-Ngo Goh

Multimedia University

2025

Introduction

Are you ready? deng deng deng

Try to add MMU logo **after** \begin{document} and apply it to all slides using \logo{...} *inside the document body*.

\logo{\includegraphics[height=1cm]{mmu_logo.png}}

Add a new package named mdframed so that a box can be created to surround the text. Add also a packaged named xcolor for colour purpose.

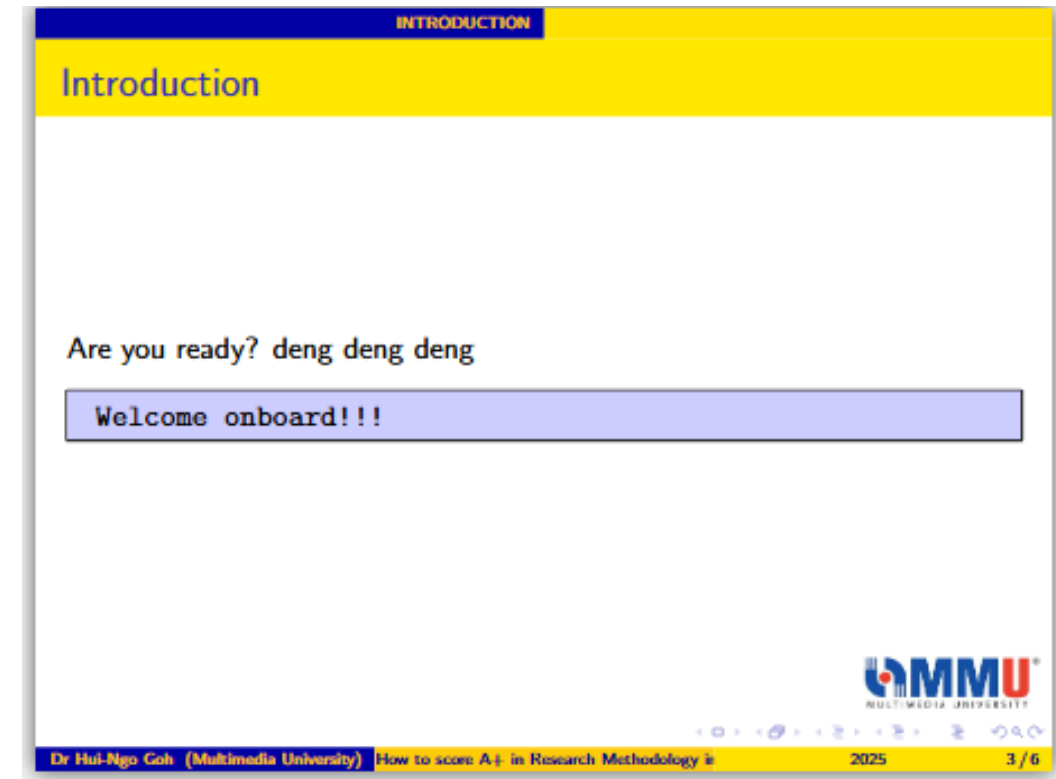Try another package named verbatim

```
\begin{frame}[fragile]
\frametitle{Introduction}
Are you ready? deng dengdeng

\begin{mdframed}[backgroundcolor=blue!20]
\begin{verbatim}
Welcome onboard!!!
\end{verbatim}
\end{mdframed}

\end{frame}
```
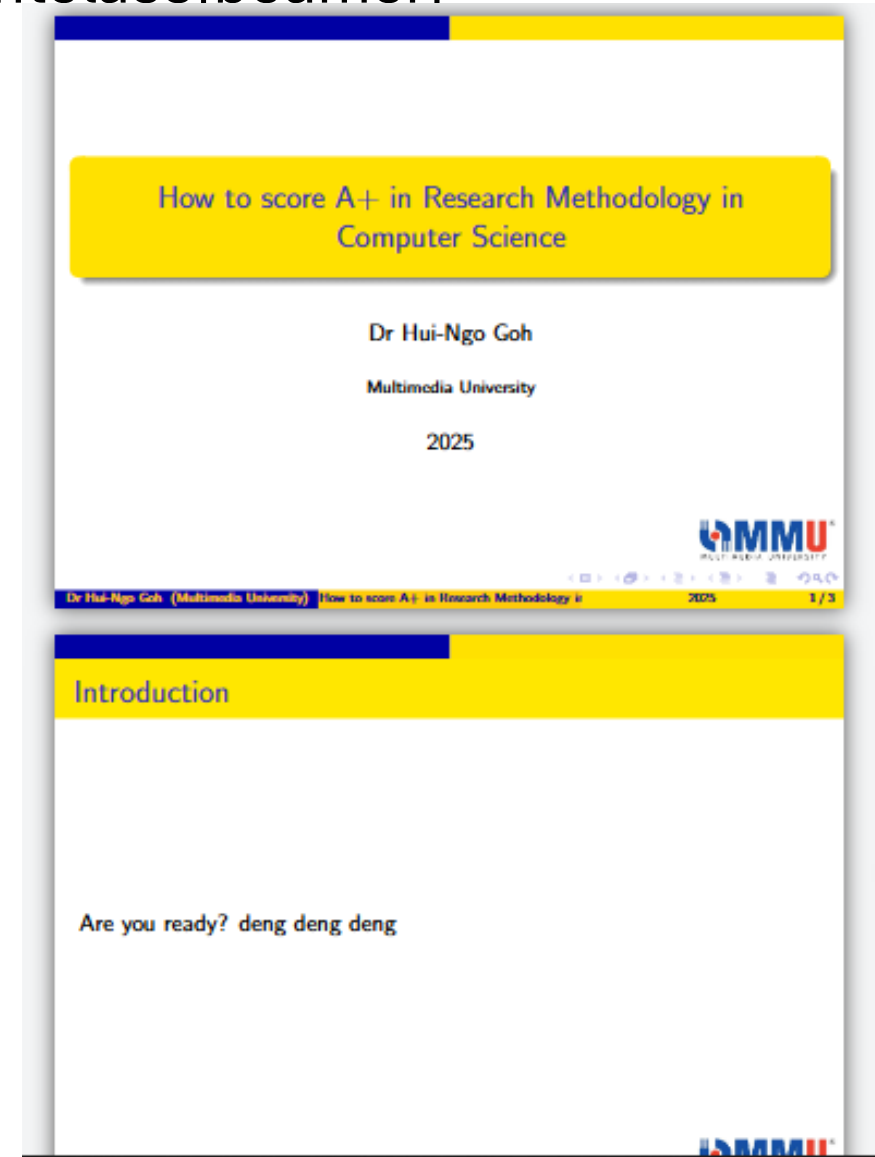


INTRODUCTION

Introduction

Are you ready? deng deng deng

Welcome onboard!!!

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Add the following line of code just after \documentclass{beamer}

\usetheme{Madrid}

Try other theme:

- AnnArbor
- Berkeley
- Marburg
- Antibes
- Goettingen
- Pittsburgh
- Bergen
- Hannover
- Szeged

**TRY THIS!**

It's also possible to put the table of contents at the beginning of each section and highlight the title of the current section. Just add the code below to the **preamble** of your LATEX document:

```
\AtBeginSection[]
{
 \begin{frame}
  \frametitle{Table of Contents}
  \tableofcontents[currentsection]
 \end{frame}
}
```

==\AtBeginSection[]==

should be placed **after \begin{document} but before your first \frame{...}.**
This ensures that Beamer knows what to do *each time a new section begins*.

You only need to define \AtBeginSection **once** — no need to repeat it.

\begin{document}
\AtBeginSection[]

\AtBeginSection automatically triggers whenever you use
==\section{Section Title}==

\section{INTRODUCTION}
\begin{frame} ... \end{frame}

\section{THINGS TO DO}

Table of Contents

1. INTRODUCTION

2. THINGS TO DO

Insert a new slide with the required content