Title goes here and it can be quite long that it will wrap onto a 2nd and 3rd line

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Basic Text Formatting

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Ordinary text is straightforward in Beamer.
This is italic text (using `\emph` or `\itshape`).
This is bold text (using `\textbf`).
`This is monospace text` (using `\texttt`).
This text is in red and this is in blue.
A footnote example[1].

[1] This is a sample footnote in Beamer.

Bullet Points and Lists

- First bullet point: Basic itemize environment.
- Second bullet point: Supports nesting.
  - Nested item.
- Third: With emphasis *here*.

For numbered lists:

1. First step.
2. Second step.

Mathematical Formulas

Unnumbered inline math: $E = mc^2$.
Display math without numbering:

$$\int_{-\infty}^{\infty} e^{-x^2}\,dx = \sqrt{\pi}$$

Mathematical constants and special functions:

$$\pi = 3.14\ldots; \quad \mathrm{i}^2 = -1; \quad \mathrm{e} = \lim_{n\to\infty}\left(1+\frac{1}{n}\right)^n.$$

Numbered equation:

$$\nabla \cdot \mathbf{E} = \frac{\rho}{\epsilon_0} \tag{1}$$

Reference: See Equation 1.

Single Image

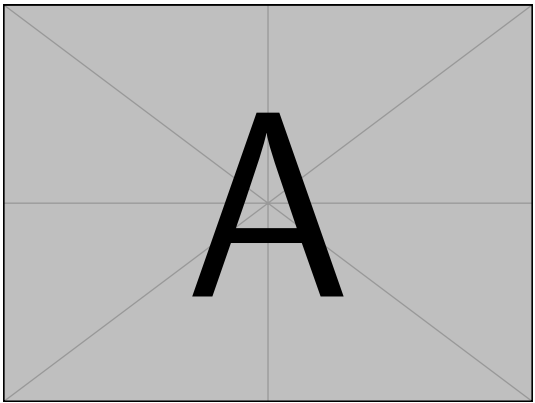
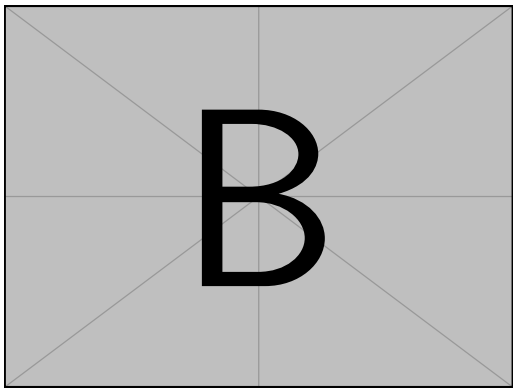
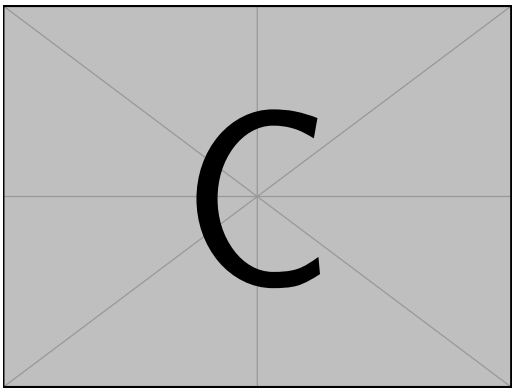


Figure 1: A sample image centered on the slide.

Two Images Side-by-Side



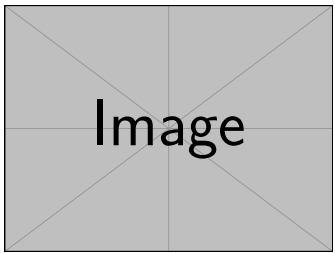
(a) First image.



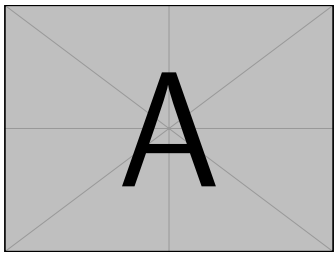
(b) Second image.

Figure 2: Two images side-by-side.

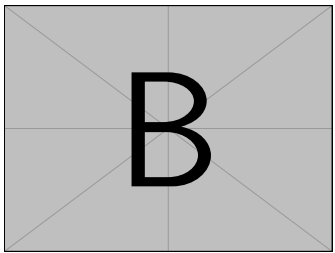
Three Images Side-by-Side



(a) First image.



(b) Second image.



(c) Third image.

Figure 3: Three images side-by-side.

Image on Left, Text on Right

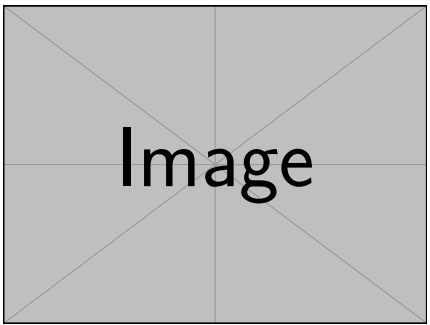


Figure 4: Sample image.

This is text on the right side, aligned with the image on the left. It can span multiple lines and include lists:

- Point one.
- Point two.

Python Code Segment

```python
def hello_world(name):
    """Greet someone."""
    print(f"Hello, {name}!")

    if name == "World":
        return "Global greeting"
    return "Personal greeting"

hello_world("SWJTU")

```

Listing 1: Hello World in Python

C Code Segment

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```c
#include <stdio.h>

int main() {
    printf("Hello, World!\n");
    return 0;
}

```

Listing 2: Hello World in C

Tables

A simple table using booktabs:

Item	Price	Quantity
Widget A	$10	5
Widget B	$15	3

Table 1: Sample inventory table.

Reference: See Table 1.

Hyperlinks and References

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- Link to a URL: LaTeX Project.
- Internal references:
  - Equation 1
  - Figure 1
  - Figure 2 (subfigures 2a and 2b)
  - Figure 3 (subfigures 3a, 3b, 3c)
  - Figure 4
  - Table 1
  - Listing 1
  - Listing 2
- Alert: This is highlighted text for emphasis.

Block example:

Key Insight

Beamer themes like yours can be customized extensively.

Additional Features

Theorem-like environment (requires amsthm, but using Beamer's theorem):

Theorem

Pythagorean theorem: $a^2 + b^2 = c^2$.

Example block:

Example

For $x = 3$, $f(x) = x^2 = 9$.

Alert block:

Warning

Always validate inputs!