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in the College of College Name

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List of Tables

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List of Symbols, Abbreviations, and Nomenclature

List of Abbreviations

CPU Central Processing Unit
RAM Random Access Memory

List of Symbols

μ Mu
 β Beta

List of Nomenclature

Algorithm: A step-by-step procedure for calculations

Data Structure: A particular way of organizing data in a computer

First Section - Heading 1

This document is a template for writing a thesis or dissertation using markdown. The template is based on the official guidelines from the University of Arkansas at Little Rock. Below are some examples of how to use the template. You can add references to the references.bib file and use the citation keys in the document [1]. The reference is placed using the `[@name_of_reference]` syntax.

To use this document it is recommended that you understand the basics of markdown. The document is divided into sections and subsections. The sections are denoted by the `#` symbol followed by the section title. Subsections are denoted by the `##` symbol followed by the subsection title. for more help with markdown, you can visit the <https://www.markdownguide.org/>.

Tables and Figures - Heading 2

Table 1: Sample Grid table.

Fruit	Price	Advantages	Fruit	Price	Advantages
Bananas	\$1.34	<ul style="list-style-type: none"> built-in wrapper bright color 	Bananas	\$1.34	built-in wrapper bright color
Oranges	\$2.10	cures scurvy tasty	Oranges	\$2.10	cures scurvy tasty

Table 2: Sample Pipe Table

Right	Left	Default	Center
12	12	12	12

Right	Left	Default	Center
123	123	123	123
1	1	1	1

Table 3: Sample Table with Caption

Right	Left	Default	Center
12	12	12	12
123	123	123	123
1	1	1	1

Code Block Example

```
ls -la
```

Math

Inline Math - Heading 3

This sentence uses \$ delimiters to show math inline: $\sqrt{3x-1} + (1+x)^2$ This sentence uses \$ delimiters to show math inline: $\sqrt{3x-1} + (1+x)^2$

Latex Math - Heading 3

$$\left(\sum_{k=1}^n a_k b_k\right)^2 \leq \left(\sum_{k=1}^n a_k^2\right) \left(\sum_{k=1}^n b_k^2\right)$$

Figures - Heading 2

To place a figure in the document, you can use the following syntax. The figure is placed using the `![Caption](path_to_image)` syntax.



Figure 1: Sample figure

Lists - Heading 2

Unordered List - Heading 3

- Item 1
- Item 2
- Item 3
- Item 4
- Item 5

Ordered List - Heading 3

1. Item 1
2. Item 2
 1. Item 3
 2. Item 4
 3. Item 5
3. Item 6

Section 1.2.1

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Section 2.1

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References

- [1] J. M. Wing, "A study of 12 specifications of the library problem," *IEEE Software*, vol. 5, no. 4, pp. 66–76, 1988, doi: 10.1109/52.17803.

Appendix A

This is the content for Appendix A.

Appendix B

This is the content for Appendix B.