

My L^AT_EX Homework
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1 Introduction

Hello! This is my first L^AT_EX document.

This homework is based on the introduction to L^AT_EX and to know how we can use L^AT_EX commands and structures to create a well-formated document. L^AT_EX is a **document processor** used to prepare an article, research paper and technicain document.[?, ?]

2 Main Content

- Numpy
- Pandas
- Matplotlib

The quadratic formula is given by $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$.

2.1 Section A

*The table below shows the details of a a student at **MELZARA collage** studying computer science. his name is James and he is 54 years of age respectively*

| | |
|------|-------|
| Name | James |
| Age | 54 |

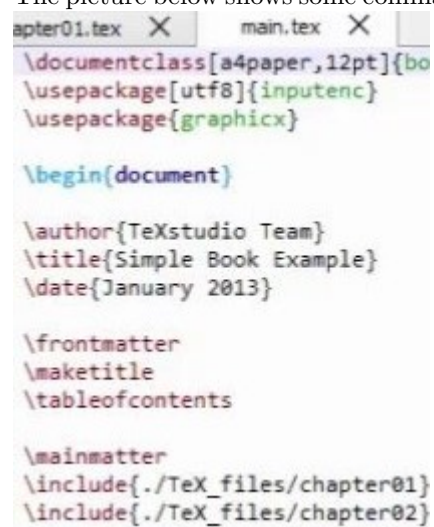
Table 1: Details of a person.

2.2 Section B

A programming language is a system of notation for writing computer programmes. Most programming languages are text-based formal languages but they might also be graphical. Below are some examples of programming languages.

1. Python
2. Kotlin
3. L^AT_EX

The picture below shows some commands used in creating a document in LaTeX.

A screenshot of a LaTeX source code editor. The window title bar shows two tabs: 'apter01.tex' and 'main.tex'. The code is color-coded: backslashes are blue, package names are green, and other commands are black. The code defines a document class, loads packages, sets author, title, and date, and includes chapter files.

```
apter01.tex X    main.tex X  
  
\documentclass[a4paper,12pt]{book}  
\usepackage[utf8]{inputenc}  
\usepackage{graphicx}  
  
\begin{document}  
  
\author{TeXstudio Team}  
\title{Simple Book Example}  
\date{January 2013}  
  
\frontmatter  
\maketitle  
\tableofcontents  
  
\mainmatter  
\include{./TeX_files/chapter01}  
\include{./TeX_files/chapter02}
```

Figure 1: L^AT_EX page