

# My LaTeX Document with Outlines

Your Name

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# **1 Adding Outlines**

In this document, we will add outlines using the PyPDF2 library.

## 2 Installing PyPDF2

Before we proceed, make sure you have PyPDF2 installed. You can install it using the following command:

```
pip install PyPDF2
```

### 3 Using `add_outline_item`

To add outlines to the document, we will use the `add_outline_item` method from the PyPDF2 library.

## 4 Viewing Outlines

After adding outlines, you will see the table of contents (outlines or bookmarks) in the left sidebar.

## **5 All Set!**

You've successfully added outlines to your document.

## 6 Useful commands

If we have the following text, awk is useful.

```
$ cat t.txt
1 Adding Outlines 1
2 Installing PyPDF2 2
3 Using add outline item 3
4 Viewing Outlines 4
5 All Set! 5
6 Useful commands 6
7 awk output 7
8 section 10 8
9 section 11 9
10 section 12 10
11 section 13 11
12 section 14 12
13 section 15 13
14 section 16 14
15 section 17 15
16 section 18 16
17 section 19 17
18 section 20 18
19 section 21 19
20 section 22 20
21 section 23 21
22 section 24 22
23 section 25 23
24 section 26 24
25 section 27 25
26 section 28 26
27 section 29 27
28 section 30 28
29 Conclusion 29
```

```
$ awk '{printf "\\\" " ; for(i=1; i<=NF-1; i++) printf $i " "; print "\\\" , \" $NF \" ),\"}' t.txt
```

## 7 awk output

```
("1 Adding Outlines ", 1),
("2 Installing PyPDF2 ", 2),
("3 Using add outline item ", 3),
("4 Viewing Outlines ", 4),
("5 All Set! ", 5),
("6 Useful commands ", 6),
("7 awk output ", 7),
("8 section 10 ", 8),
("9 section 11 ", 9),
("10 section 12 ", 10),
("11 section 13 ", 11),
("12 section 14 ", 12),
("13 section 15 ", 13),
("14 section 16 ", 14),
("15 section 17 ", 15),
("16 section 18 ", 16),
("17 section 19 ", 17),
("18 section 20 ", 18),
("19 section 21 ", 19),
("20 section 22 ", 20),
("21 section 23 ", 21),
("22 section 24 ", 22),
("23 section 25 ", 23),
("24 section 26 ", 24),
("25 section 27 ", 25),
("26 section 28 ", 26),
("27 section 29 ", 27),
("28 section 30 ", 28),
("29 Conclusion ", 29),
```



## **8   section 10**

Page 10 content goes here.

## **9 section 11**

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## **10    section 12**

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## **11    section 13**

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## **12    section 14**

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## **13    section 15**

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## **16    section 18**

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## **24    section 26**

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## **25    section 27**

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## **26    section 28**

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## **27    section 29**

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## **28    section 30**

Page 30 content goes here.

## **29 Conclusion**

In conclusion, LaTeX is a powerful typesetting system.