

# My LaTeX Document with Outlines

Your Name

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## Contents

<b>1</b>	<b>Adding Outlines</b>	<b>3</b>
<b>2</b>	<b>Installing PyPDF2</b>	<b>4</b>
<b>3</b>	<b>Using <code>add_outline_item</code></b>	<b>5</b>
<b>4</b>	<b>Viewing Outlines</b>	<b>6</b>
<b>5</b>	<b>All Set!</b>	<b>7</b>
<b>6</b>	<b>Useful commands</b>	<b>8</b>
<b>7</b>	<b>awk output</b>	<b>9</b>
<b>8</b>	<b>section 10</b>	<b>10</b>
<b>9</b>	<b>section 11</b>	<b>11</b>
<b>10</b>	<b>section 12</b>	<b>12</b>
<b>11</b>	<b>section 13</b>	<b>13</b>
<b>12</b>	<b>section 14</b>	<b>14</b>
<b>13</b>	<b>section 15</b>	<b>15</b>
<b>14</b>	<b>section 16</b>	<b>16</b>
<b>15</b>	<b>section 17</b>	<b>17</b>
<b>16</b>	<b>section 18</b>	<b>18</b>
<b>17</b>	<b>section 19</b>	<b>19</b>
<b>18</b>	<b>section 20</b>	<b>20</b>

19 section 21	21
20 section 22	22
21 section 23	23
22 section 24	24
23 section 25	25
24 section 26	26
25 section 27	27
26 section 28	28
27 section 29	29
28 section 30	30
29 Conclusion	31

# **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 3
2 Installing PyPDF2 4
3 Using add outline item 5
4 Viewing Outlines 6
5 All Set! 7
6 Useful commands 8
7 awk output 9
8 section 10 10
9 section 11 11
10 section 12 12
11 section 13 13
12 section 14 14
13 section 15 15
14 section 16 16
15 section 17 17
16 section 18 18
17 section 19 19
18 section 20 20
19 section 21 21
20 section 22 22
21 section 23 23
22 section 24 24
23 section 25 25
24 section 26 26
25 section 27 27
26 section 28 28
27 section 29 29
28 section 30 30
29 Conclusion 31
```

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



## 7 awk output

```
("1 Adding Outlines ", 3),
("2 Installing PyPDF2 ", 4),
("3 Using add outline item ", 5),
("4 Viewing Outlines ", 6),
("5 All Set! ", 7),
("6 Useful commands ", 8),
("7 awk output ", 9),
("8 section 10 ", 10),
("9 section 11 ", 11),
("10 section 12 ", 12),
("11 section 13 ", 13),
("12 section 14 ", 14),
("13 section 15 ", 15),
("14 section 16 ", 16),
("15 section 17 ", 17),
("16 section 18 ", 18),
("17 section 19 ", 19),
("18 section 20 ", 20),
("19 section 21 ", 21),
("20 section 22 ", 22),
("21 section 23 ", 23),
("22 section 24 ", 24),
("23 section 25 ", 25),
("24 section 26 ", 26),
("25 section 27 ", 27),
("26 section 28 ", 28),
("27 section 29 ", 29),
("28 section 30 ", 30),
("29 Conclusion ", 31),
```

## **8   section 10**

Page 10 content goes here.

## **9 section 11**

Page 11 content goes here.

## **10    section 12**

Page 12 content goes here.

## **11    section 13**

Page 13 content goes here.

## **12    section 14**

Page 14 content goes here.

## **13    section 15**

Page 15 content goes here.

## **14    section 16**

Page 16 content goes here.



## **15    section 17**

Page 17 content goes here.

## **16    section 18**

Page 18 content goes here.

## **17   section 19**

Page 19 content goes here.

## **18    section 20**

Page 20 content goes here.

## **19    section 21**

Page 21 content goes here.

## **20    section 22**

Page 22 content goes here.

## **21    section 23**

Page 23 content goes here.

## **22    section 24**

Page 24 content goes here.



## **23    section 25**

Page 25 content goes here.

## **24    section 26**

Page 26 content goes here.

## **25    section 27**

Page 27 content goes here.

## **26    section 28**

Page 28 content goes here.

## **27    section 29**

Page 29 content goes here.

## **28    section 30**

Page 30 content goes here.

## **29 Conclusion**

In conclusion, LaTeX is a powerful typesetting system.