# memoir와 expl3로 해보는 Book Design Chapter Style

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memoir 스터디 그룹

개괄

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memoir에서 챕터 모양을 바꾸기 위해서는 \chapterstyle{<style>} 사용

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memoir에서는 대략...

% \chapter with secnumdepth ≥ 0

\chapterheadstart

\printchaptername \chapternamenum

- → \printchapternum
- 4 \afterchapternum
- 5 \printchaptertitle{The title}
- 6 \afterchaptertitle

- % \chapter\* with secnumdepth < 0
- 2 \chapterheadstart
- 3 \printchapternonum
- 4 \printchaptertitle{The title}
- 5 \afterchaptertitle

## \chapterstyle이 하는 일

## 매 chapter style 마다, 다음과 같은 매크로들이 초기화된다:

- 1 \renewcommand\chapterheadstart{\vspace\*{\beforechapskip}}
- 2 \renewcommand\printchaptername{\chapnamefont \@chapapp}
- 3 \renewcommand\chapternamenum{\space}
- 4 \renewcommand\printchapternum{\chapnumfont \thechapter}
- 5 \renewcommand\afterchapternum{\par\nobreak\vskip \midchapskip}
- 6 \renewcommand\printchapternonum{}
- 7 \renewcommand\printchaptertitle[1]{\chaptitlefont #1}
- 8 \renewcommand\afterchaptertitle{\par\nobreak\vskip \afterchapskip}

## \chapterstyle이 하는 일

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- 7 \renewcommand\printchaptertitle[1]{\chaptitlefont #1}
- 8 \renewcommand\afterchaptertitle{\par\nobreak\vskip \afterchapskip}

마지막으로, \makechapterstyle{<style>}{<code>}를 통해 새로운 chapter style을 정의할 수 있다.

이를 사용하려면, \chapterstyle{<name>}을 사용한다.

# 명령어 분석

## \openright, \openleft, \openany 분석

```
openright 챕터 헤딩이 직후 우측 페이지에 위치한다.
openleft 챕터 헤딩이 직후 좌측 페이지에 위치한다.
openany 챕터 헤딩이 직후 페이지에 위치한다.
```

또한 \openright와 같이 문서 아무 곳에서 사용하면 설정이 바뀐다.

## \openright, \openleft, \openany 분석

```
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```

또한 \openright와 같이 문서 아무 곳에서 사용하면 설정이 바뀐다. 이는 다음과 같은 일을 하도록 정의되어 있다:

```
1 \newcommand{\openright}{\@openrighttrue\@openleftfalse%
2 \gdef\clearforchapter{\cleartorecto}}
3 \newcommand{\openany}{\@openrightfalse\@openleftfalse%
4 \gdef\clearforchapter{\clearpage}}
5 \newcommand{\openleft}{\@openlefttrue}
6 \gdef\clearforchapter{\cleartoverso}}
```

## \clearforchapter 분석

직전에 소개된 \openright, \openleft, \openany에 의해 설정된다. 만약 이를 새로 정의한다면 챕터가 시작되기 직전에 해야하는 작업을 수행할 수 있다.

## \clearforchapter 예시

## \renewcommand\*{\clearforchapter}{}

# Chapter 1 Foo Nun dui ligula, fringilla a, enismod sodales, sollicitudia vel, utsi. Morbi Chapter 2 Bar

CHAPTER 2 BAR

## \memendofchapterhook 분석

\clearforchapter가 챕터 시작 직전에 실행된다면, \memendofchapterhook은 챕터의 맨 끝에서 실행된다. 기본적으로는 아무것도 하지 않도록 정의되어 있다.

## \memendofchapterhook 예시

#### Chapter 1

#### Foo

Learning points oldered at most consecution of allipsicing etc. 15. In generally, where the most is placed as a published with a filler chardless of them greated manufacture of process of them, nonexamp optic, connectioned by regularities a suspect final contract of the contract of the

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penticatespa inte en mason.

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hac habitose plates dictument. Integer tempus consullis angus. Etiam facilidi
Nunc densentum fermentum wich. Jenson placerat. Ut impendict, esiam p

## \chapterheadstart와 \beforechapskip 분석

\chapterheadstart은 챕터 제목과 번호를 출력하기 직전에 실행되며, 기본적으로는 50pt로 설정되어 있는 \beforechapskip을 출력한다.

## \chapterheadstart와 \beforechapskip 예시

## \setlength\beforechapskip{50pt}

1 \setlength\beforechapskip{-\baselineskip}

#### Chapter 1

#### Foo

Issue layous date of seast, consections diploring the Uppersonly conlows of plotters or a phylogical gate, field Couldwarf defiring grades want None seed Henry, increasing eggl, connectative 4th vilipitation as a temporal None seed Henry, increasing eggl, connectative 4th vilipitation as a temporal None seed Henry, increasing the contractive and the contractive contractive productive and the spike (virtual seed, contractive and the co

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#### Chapter 1

#### Foo

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## \chapterheadstart와 \beforechapskip 예시

## \setlength\beforechapskip{50pt}

1 \renewcommand\*{\chapterheadstart}{}

#### Chapter 1

#### Foo

Issue layous data of anot, consections eligistics, the Dynamical condition of plants on a deploying size, field Condition disting grafts work. Non excell been, immunity opt, consections of a layout profits work. Non excell been, immunity opt, consections of a layout condition, as aspect nontraction of the condition of the condition and in titing was settle earlier and included finite or trapping optical. Main in a life, Con virus material and the condition of the condition of the condition and in titing and the condition of the condition of the condition of the condition of the optic, (virus according to the condition of the state of the condition of the

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#### Chapter 1

#### Foo

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