memoir와 expl3로 해보는 Book Design Chapter Style

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memoir 스터디 그룹

Overview

Memoir 챕터

Memoir의 기본 챕터의 모양

Memoir 챕터

Memoir의 기본 챕터의 모양

- \documentclass[a4paper]{memoir}
- 2 \usepackage{lipsum}
- 3 \begin{document}
- 4 \chapter{Foo}
- 5 \lipsum[1-4]
- 6 \end{document}

Chapter 1

Foo

Loron jamen older de men, emercettere afgiologie (E. D. jamend), tredit James et jaherest as, a phylogie yttes, filed. Combitier defines gravida mare Naus arcs Bienen, monumer gest, monesteture ili, viliptanta a, sangan. Emer Konta arcs Biene, promuner gest, monesteture ili, viliptanta andat ittelique senentre relation agnesse en mega. Politzonoga habitan medita intelique senentre ribenesse son. Nilla et bette vendelanu una fluiglia intrinse. Planelli ribine di annes transpropride planent. Biener quale esti, incella in porturiquit, vicera as, naue. Passenti upte son vil do sufficie Ribendus. Amedienellia Mirch deben dans, missenado se spottera et, audita o, malfa. C.

Nam del ligula, fringilla a, esismod sodules, sellettudia vd. visi. Morta austre from non jorte. Nam hene libera, perdusu at, loborite vitas, uftriciovi, sibio. Done aliquet, tuttur esi acemman hiberadus, esti liginà signinagua, vibae erane odio nateus a mi. Marib ac ceri es niel hendreit mel lis. Supersidere est messa. Cara ser ante. Pedieratogo a mila. Cara noisi natoga penatifica est massa. Cara ser ante. Pedieratogo a mila. Cara noisi natoga penatifica est magnie de partirient montes, nacetur rificulas ma Adapsan tricidus uras. Nilsi silamospre verdelamo mpija. Pedieratogo

Quiesque allamonapse placent i penns. Cras subbl. Morch vel jotto vitas histalistas titurios. Lemus lipsems older sit annot, consectence subjection; elli: las habitzone plates dictumet. Integer tempos consullis angue. Etiam farilisis Naus elementum formestram with. Remona placents. Un impordire, estim su garrifa solicitation, fele dolt placent quan, as parkina elit pures oper mis

Memoir 챕터

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Chapter 1

Foo

Learns journs date of a most, consecutives enlighting diff. 10, person divers in some of pleasers at a application (see, follow). Combined retirems gravita see Name or flowers and application (see Name or flowers) and the second form of the

varieum. Non del ligels, fringille a, esisoned sodales, esilicitariis usi, usid. Mos autor feven non justa. Non heen Beers perdusa at Johorius vitas, strint, et, ubito. Done sileges, tutter od seucennon liberales, son figels silega naugas, vitae eranes odio metra a mi. Maril a occió er niel hendrett su les. Supersidem est monos. Cras nec mats. Peletraregas a mila. Cras nec natsupa penarline et mangia dis partirient montes, nauvetra rificiales un Aliquant incident una Nuña. Milamorper out-ficiales una piece. Peletraregas a mila. Centa nec

Quieque allamouque placerat ipsum. Cras subh. Morbi vel justo vitas he inteludum strives. Leven ipsum debe sit annet, consectentes subjectioniq elle. Inteludum strives. Leven presente consultie sugge. Existe facilitates plates defensest, heteger tempes consultie sugge. Existe facilitates vitas descriptions de la consultate de l

입맛에 맞게 꾸미고 싶다면?

Chapter 1

default chapterstyle

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1 section chapterstyle

Leven i pour older et auer, onservicture allyiesing dit. Ut purus ell, vedicheim su, phores a. e., alphicing vin Ale. De. Cardhiri ettem paris hausris. Name are libres, onsamme price, conservicture ill, vigirante a. angua. Done vedichei angue en augus. Pidentospea habitant viverer andre habenes som Nible et leven vedicheim sum fragilit shrine. Pimellere en titles ei auer trente groecke phoren. Integer supice on, insulis in, protizon quie, vivera aux. more Provent es une Nible et leven vedicheim sum fragilite. Meinte Pimellere a. more i trente et un volu to utricus ventellem une fragilite. Meinte Pimellere a. more i trente et un vivera sunte ventellem une fragilite. Meinte Pimellere a. more Provent et un vivera ventellem vivera de la protizon quie vivera aux. more Provent et un volu to utricus de la provent et un vivera de la provent d

1 hangnum chapterstyle

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Chapter 1

companion chapterstyle

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1 article chapterstyle

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Chapter 1

bianchi chapterstyle

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BRINGHURST CHAPTERSTYLE

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Chapter One

brotherton chapterstyle

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chappell chapterstyle

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1 crosshead chapterstyle

I culver chapterstyle

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demo2 chapterstyle

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Chapter I

ger chapterstyle

Leren ipom date ett saxt, nauesturen adjairingelli. U. paraselt, venthalau n., janent, engleisteg 1806. Genalbur ettem ganden saveri. Nam som liber, nammar geri, endiserte itt vijterinte, ausgas. Dater velheta sagare a sagar. Delintaspas balaure nammar geri, engen savet it vijterinte, ausgas. Dater velheta sagare a sagar. Delintaspas balaure til vertige attenda savet i venta savet innere savet i viltera savet i saveta savet i venta savet i knoper sapsies sels, i mella in, gentim spås, ventra savet i venta savet i venta savet i knoper sapsies sels, i mella in, gentim spås, venta savet i venta savet i venta savet i venta savet knoper sapsies sels, i mella in, gentim spås, venta savet i venta savet venta save

I komalike chapterstyle

Leon james older ett samt, consectivers afljelering fil. U priserel 3, wettlenkun in Jasons at, afljelering titte, filler. Cambriller dettan professor ansert. Nam som Here sammer per consectiver 34, voljentate a maga. Doore visibilat sanger en nepte. Pribitatopus haltant consectiver 34, voljentate a maga. Doore visibilat sanger en nepte. Pribitatopus haltant per server a merge some som "Nine & levter underhalte merge firsjila forder. Prosefte en telle se server a merge som som "Nine & levter underhalte merge firsjila forsjilat firsjilat fir

CHAPTER |

Leen ignen dûer it nach, emeesteur skipking dit. U priese dit, welching is, plome is, scipking it, ned face Carbinir d'une genéral sourie. No some illere soursong ept. consentent di, 'thylprin's a magas. Dour velorida angue en apop. Philosoppu halitare and 'tridgen souriere et unter a timbard halitare a tripa option. Halitare i ha. Chin et al. Chin and the 'third of the the 'third of



madsen chapterstyle

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Chapter I

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I southall chapterstyle

Lermi pour deler di aure, consententer adjecting dit. Di pravede, vorthelam ut, placest as, a flipsing vita, leli. Carabitir dirent sproita nurie. Name aure libre, namming vita, consentente vit, volprista e a magas. Disce volciale auge se mops. Printentope habitant month triedeps sentente e trattor en almostra finate se tratejo equipo . Monte vita bec. Consente discuss sens. Nich e bette vorticale mass frigilis defries. Placefin en evivera mente denome sens. Nich e bette vorticale mass frigilis defries. Placefin en deviente descens sens. Nich e bette vorticale mass frigilis defries. Placefin en descens de sense denome sens. Nich e bette descens de la consentation de la consensation de la

I tandh chapterstyle

Leren ipom older di nært, onesertetur allpischgellt. Ur purusellt, vestbaltun st., pherent ar, selphischg sche. Orablist detture greist hausric. Nam zen ellens, sommung region, canositetur sl., vilgarate a, magas. Does vilkelak angis en negas. Politoriaspa halitzar vivers nature hausres sen. Nikle a betaue vestbaltun sam fraglisch wirter. Bessellen unt fraglisch sich er der tilten di næst tretur græisk plavera. Integer asjøre sel, reselle i ha pretiren sjør, vivern a. nær. Prævers et um vil so utfiren behenden. Arean foreiten. Med older uttil van zimer 1 km start tretur græisk plavera. Integer asjøre senje reselven senjer mill. Diese vertire seri eger frær. Diese skyl en værd seri frær frær. Diese vertire seri eger frær. Diese skyl en sege nær. Errennin belded, nafytt i pår, kim. Dies eger i etc. Dies skyl en skyl en



Leon james såde ett met, consetterer måljedring (tl. 1. Upræred), verthelm ut, james av afpliering titt, fille Candaltur derna grossfan samte. Nam ut illere sammarg opt, consetterer til vilspinter av nagas. Done velkeln anger en nøger. Prilatetepen halvar en trette er inhere det met av trette er inhere halvar av tretje spræde. Namte å ber Cher til det er state er inhere halvar av tretje spræde i konsta å ber Cher til det er state trette græde fra å er state trette græde prede state i konsta trette græde state trette græde fra å er state trette græde er state trette græde fra å er state fra å er state



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I wilsondob chapterstyle

Leven i pour odor et auer, onesertetter adjesing die. Ur perus ell, verbraism explorer au, en pleinge qu'an de Ge. Cardibir d'ente paris fanarie. Name au elliens, onumme qu'en consentrer di vigirante a, augus. Danc velòcida augre on augu. Pédinassepa habitant verbraisme de la cardibir de l

\chapter가 하는 일

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

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일반적으로 LATEX에서는 \@makechapterhead로 \chapter의 서식을 지정, \@makeschapterhead로 \chapter*의 서식을 지정

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memoir에서는 대략...

% \chapter with secnumdepth ≥ 0

\chapterheadstart

\printchaptername \chapternamenum

- \hookrightarrow \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}

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```
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- 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}

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

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

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

```
% \usepackage{amssymb}
\renewcommand*{\clearforchapter}{}
\renewcommand{\memendofchapterhook}{%
\begin{center}
$\lozenge\lozenge\lozenge$
\end{center}}
```

Chapter 1

Foo

Learns igname dedut offt materi, consecretaries adappinning effe. Ut pursue effe, vor Zhou and the proposition of the propositi

rutzus.

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paracturapper since via mason.

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\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

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Case Study

Griffiths: Introduction to Electrodynamics

