

Sample PDF Document

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Chapter 1

Template

1.1 How to compile a `.tex` file to a `.pdf` file

1.1.1 Tools

To process the files you (may) need:

- `pdflatex` (for example from `tetex` package $\geq 0.9-6$, which you can get from [Red Hat 5.2](#));
- `acroread` (a PDF viewer, available from <http://www.adobe.com/>);
- `ghostscript` ≥ 5.10 (for example from [Red Hat Contrib](#)) and `ghostview` or `gv` (from RedHat Linux);
- `efax` package could be useful, if you plan to fax documents.

1.1.2 How to use the tools

Follow these steps:

1. put all source `.tex` files in one directory, then `chdir` to the directory (or put some of them in the `LTEX` search path — if you know how to do this);
2. run “`pdflatex file.tex`” on the main file of the document three times (three — to prepare valid table of contents);
3. to see or print the result use `acroread` (unfortunately some versions of `acroread` may produce PostScript which is too complex), or

4. run `ghostscript`: “`gv file.pdf`” to display or:
“`gs -dNOPAUSE -sDEVICE=pswrite -q -dBATCH -sOutputFile=file.ps file.pdf`”
to produce a PostScript file;
5. run “`fax send phone-number file.ps`” as root to send a fax, or — if you know how to do this — modify the fax script to be able to fax `.pdf` files directly (you have to insert “`%PDF*`” somewhere...).

1.2 How to write a document

1.2.1 The main document

Choose the name of the document, say `document`. Copy `template.tex` to `document.tex`, then edit it, change the title, the authors and set proper `include(s)` for all the chapters.

1.2.2 Chapters

Each chapter should be included in the main document as a separate file. You can choose any name for the file, but we suggest adding a suffix to the name of the main file. For our example we use the file name `document_chapter1.tex`.

First, copy `template_chapter.tex` to `document_chapter1.tex` and add the line

```
\include{document_chapter1}
```

in the `document.tex`, then edit `document_chapter1.tex`, change the chapter title and edit the body of the chapter appropriately.

1.2.3 Spell-checking

Do use a spell-checker, please!

You may also want to check grammar, style and so on. Actually you should do it (if you have enough spare time). But you *must* check spelling!

You can use the `ispell` package for this, from within `emacs`, or from the command line:

```
ispell -t document_chapter1.tex
```

1.3 \LaTeX and $\text{pdf}\text{\LaTeX}$ capabilities

1.3.1 Overview

First you edit your source `.tex` file. In \LaTeX you compile it using the `latex` command to a `.dvi` file (which stands for device-independent). The `.dvi` file can be converted to any device-dependent format you like using an appropriate driver, for example `dvips`.

When producing `.pdf` files you should use `pdflatex`, which produces directly `.pdf` files out of `.tex` sources. Note that in the `.tex` file you may need to use some PDF specific packages.

For viewing `.tex` files use your favourite text editor, for viewing `.dvi` files under X Window System use `xdvi` command, `.ps` files can be viewed with `gv` (or `ghostview`) and `.pdf` files with `acroread`, `gv` or `xpdf`.

1.3.2 \LaTeX

A lot of examples can be found in this document.

You should also print

- `doc/latex/general/latex2e.dvi` and
- `doc/latex/general/lshort2e.dvi`

from your `tetex` distribution (usually in

- `/usr/share/texmf` or
- `/usr/lib/texmf/texmf`).

1.3.3 $\text{pdf}\text{\LaTeX}$

Consult `doc/pdftex/manual.pdf` from your `tetex` distribution for more details. Very useful informations can be found in the `hyperref` and `graphics` package manuals:

- `doc/latex/hyperref/manual.pdf` and
- `doc/latex/graphics/grfguide.dvi`.

1.3.4 Examples

References

MIMUW

Hyperlinks

This is a target.

And [this is a link](#).

Dashes, etc.

There are three kinds of horizontal dash:

- - (use inside words; for example “home-page”, “X-rated”)
- – (use this one between numbers; for example “pages 2–22”)
- — (use this one as a sentence separator — like here)

National characters

- ó, é, í, ...
- è, à, ì, ...
- ô, ê, ...
- ã, ñ, ...
- ö, ë, ...
- ž
- å, ç
- ł, ø, ß

There are other ways to do this, see the documentation for `inputenc` package.

Reserved characters

Some characters have some special meaning, thus cannot be entered in the usual way.

- \$ & % # _ { }
- \
- ~ ^

Math

- $1^2, 1^{2n}, \dots$
- i_1, i_{2n}, \dots
- $\frac{1}{2}, \frac{2n}{2-3}, \dots$
- $\alpha, \beta, \gamma, \Omega, \dots$
- $\rightarrow, \Rightarrow, \geq, \neq, \in, \star, \dots$
- $\sqrt{2}, \dots$
- $\overline{2+2}, \dots$

For more examples and symbols see chapter 3 of `lshort2e.dvi`.

Fonts

- Roman
- *Emphasis*
- Medium weight — the default
- **Boldface**
- Upright
- *Slanted*
- Sans serif
- SMALL CAPS
- Typewriter
- and sizes:
 - tiny
 - scriptsize
 - footnotesize
 - small
 - normalsize

- large
- Large
- LARGE
- huge
- Huge

Electronic Reservation Slip (ERS)



Boarding From

KANPUR CENTRAL (CNB)

Departure* 09:20 11-Jun-2023

To

ANAND VIHAR TRM (ANVT)

Arrival* 15:10 11-Jun-2023

PNR	Train No./ Name	Class
6119622139	12815/NANDANKANAN EXP	SLEEPER (SL)
Quota	Distance	Ticket Printing Time
GENERAL (GN)	427 KM	13-May-2023 16:05:11 Hrs

Passenger Details

#	Name	Age	Gender	Booking Status	Current Status
1.	NEHA DEVI	23	F	CNF/S4/54 UB	CNF/S4/54 UB

Acronyms

RLWL : REMOTE LOCATION WAITLIST

RSWL : ROAD-SIDE WAITLIST

PQWL: POOLED QUOTA

IR recovers only 57% of cost of travel on an average.

भारतीय रेल यात्रा की लागत का औसतन केवल 57% वसूल करती है।

Payment Details

Ticket Fare : 295

IRCTC Convenience Fee : 17.7

Agent Service Charge : 19.99

Travel Insurance Premium : 0.7

PG Charges : 0.0

Total Fare : 333.39

PG Charges as applicable (Additional)

IRCTC Convenience Fee & Agent Service Charges are charged per e-ticket irrespective of no. of passengers on the ticket.

* The printed Departure and Arrival Times are liable to change. Please check correct departure, arrival from Railway Station Enquiry or Dial 139 or SMS RAIL to 139

Agent Details

Principal Agent Name : Confirm Ticket Online Solutions Private Limited

Customer care Email : support@confirmkt.com

Customer Care Contact : 08068243910

Prescribed original ID proof is required while travelling along with SMS/ VRM/ ERS otherwise will be treated as without ticket and penalized as per Railway Rules.

Indian Railways GST Details

Invoice Number : NA Address : NA

Supplier Information

HSN code : NA GSTIN : NA

Recipient Information

GSTIN : NA

Name : NA

Address : NA

Taxable Value : 0.0

CGST Rate : 0.0%

CGST Amount : 0.00

SGST/UGST Rate : 0.0%

SGST/UGST Amount : 0.00

IGST Rate : 0.0%

IGST Amount : 0.00

Total tax : 0.00

Place of Supply : NA

State Code/Name of Supplier: NA

Instructions

1. Prescribed Original ID proofs are:- Voter Identity Card / Passport / PAN Card / Driving License / Photo ID card issued by Central / StateGovt./ Public Sector Undertakings of State / Central Government, District Administrations, Municipal bodies and Panchayat Administrations which are having serial number / Student Identity Card with photograph issued by recognized School or College for their students / Nationalized Bank Passbook with photograph / Credit Cards issued by Banks with laminated photograph / Unique Identification Card "Aadhaar", m - Aadhaar, eAadhaar. / Passenger showing the Aadhaar / Driving Licence from the "Issued Document" section by logging into his / her DigiLocker account considered as valid proof of identity. (Documents uploaded by the user i.e.the document in "Uploaded Document" section will not be considered as a valid proof of identity).
2. PNRs having fully waitlisted status will be dropped and automatic refund of the booking amount shall be credited to the account used for payment for booking of the ticket.Fully waitlisted e - ticket are not allowed to board the train.However, the names of PARTIALLY waitlisted / confirmed and RAC ticket passenger will appear in the chart and will be allowed to board the train.
3. Passengers travelling on a fully waitlisted e-ticket will be treated as Ticketless.
4. Obtain certificate from the TTE /Conductor in case of (a) PARTIALLY waitlisted e-ticket when LESS NO. OF PASSENGERS travel, (b)A.C FAILURE, (c)TRAVEL IN LOWER CLASS.This original certificate must be sent to GGM(IT), IRCTC, Internet Ticketing Centre, IRCA Building, State Entry Road, New Delhi - 110055 after filing TDR online within prescribed time for claiming refund.
5. In case, on a party e-ticket or a family e-ticket issued for travel of more than one passenger, some passengers have confirmed reservation and others are on RAC or waiting list, full refund of fare, less clerkage, shall be admissible for confirmed passengers also subject to the condition that the ticket shall be cancelled online or online TDR shall be filed for all the passengers upto thirty minutes before the scheduled departure of the train.
6. In case of train cancellation on its entire run, full refund is granted automatically by the system. However, if the train is cancelled partially on its run or diverted and not touching boarding / destination station, passengers are required to file online TDR within 72 hours of scheduled departure of the train from passengers boarding station.
7. Never purchase e-ticket from unauthorized agents or persons using their personal IDs for commercial purposes. Such tickets are liable to be cancelled and forfeited without any refund of money, under section(143) of the Indian Railway Act 1989.List of authorized agents are available on www.irctc.com E - Ticket Agent Locator.
8. For detail, Rules, Refund rules, Terms & Conditions of E-Ticketing services, Travel Insurance facility etc. Please visit www.irctc.co.in
9. While booking this ticket, you have agreed of having read the Health Protocol of Destination State of your travel. You are again advised to clearly read the Health Protocol advisory of destination state before start of your travel and follow them properly.
10. The FIR forms are available with on board ticket checking staff, train guard and train escorting RPF/GRP staff.
11. Variety of meals available in more than 1500 trains. For delivery of meal of your choice on your seat log on to www.ecatering.irctc.co.in or call 1323 Toll Free.For any suggestions / complaints related to Catering services, contact Toll Free No. 1800 - 111 - 321(07.00 hrs to 22.00 hrs)
12. E-ticket cancellations are permitted through respective agent only
Agent Service Charge for E-Ticket inclusive of tax (nonrefundable)

Class	Service Charge
Non - AC class	Rs.20/-
AC class including FC	Rs.40/-
14. National Consumer Helpline (NCH) Toll Free Number: 1800-11-400 or 14404
15. You can book unreserved ticket from UTS APP or ATVMs (Automatic Ticket Vending Machines) located in Railway Stations.
Contact us on: support@confirmkt.com OR 24*7 Hrs Customer Support at 08068243910