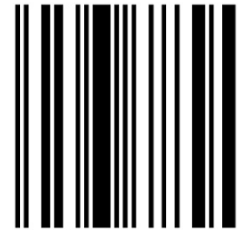


# Finnish Invoice Template

<b>Description</b>	A well-structured and re-usable L <sup>A</sup> T <sub>E</sub> X template for invoices.
<b>Period</b>	Spring 2016
<b>Languages &amp; Libs</b>	L <sup>A</sup> T <sub>E</sub> X
<b>Tags</b>	GitHub, Entrepreneurship
<b>GitHub</b>	<a href="https://github.com/nikonyrh/finnish-invoice-template">nikonyrh/finnish-invoice-template</a>



After finishing a paid project, ideally a formal looking invoice would be sent to the client. I know there are many commercial products available, but I couldn't find a good open source alternative especially with the standard Finnish formatting. I was happy to find [jheusala/finnish-invoice-template](https://github.com/jheusala/finnish-invoice-template) from GitHub which had all of the tricky L<sup>A</sup>T<sub>E</sub>X stuff done.

The template usage is very simple and minimizes repetition when storing and referencing information on the company and the client. There is a one file for each **company** and one for each **client**. Each **invoice.tex** file must start by importing the **invoice\_header.tex** file, which consists mostly of usepackage declarations. Next company and client files are imported, and other invoice details are defined. Header can be seen in the Figure 1. Sample company information:

```
\newcommand{\CompanyName}{Yritys ABC}
\newcommand{\CompanyStreetAddress}{Osoite 123 A 4}
\newcommand{\CompanyPostcode}{12345}
\newcommand{\CompanyCity}{Kaupunki 1}
\newcommand{\CompanyWebsite}{https://example.com}
\newcommand{\CompanyEmail}{email@example.com}
\newcommand{\CompanyPhone}{040-1234567}
\newcommand{\CompanyId}{5555555-5}
\newcommand{\CompanyBank}{Pankki}
\newcommand{\CompanyIBAN}{FI56 1111 2222 3333 44}
\newcommand{\CompanyBIC}{NDEAFIHH}
```

And sample client information:

```
\newcommand{\ClientNumber}{101}
\newcommand{\ClientName}{Asiakas XYZ}
\newcommand{\ClientAddress}{Osoite 234 B 5}
\newcommand{\ClientPostcode}{23456}
\newcommand{\ClientCity}{Kaupunki 2}
```

**YRITYS ABC**  
Osoite 123 A 4  
12345 Kaupunki 1

LASKU  
01.05.2016

1 (1)

**Asiakas XYZ**  
Osoite 234 B 5  
23456 Kaupunki 2

Laskun numero:	10001	Maksettava:	744,00€
Asiakasnumero:	101	Huomautusaika:	8 vrk
Päivämäärä:	01.05.2016	Viivästyskorko:	10,00%
Maksuehdot:	14 pv netto	Muistutusmaksu:	5,00 €
Eräpäivä:	15.05.2016		

Figure 1: Header part of the invoice.

At the moment it is still quite verbose to define individual invoice rows, and having to do all tax and total calculations manually. Unfortunately this is also very error prone, so perhaps a simple Python script should be written to generate the invoice file based on most primitive facts. There is also an embedded two-line Python script to calculate the invoice's reference id's check digit.

After all details have been described the 250 lines long `invoice_body.text` is imported. It is just slightly modified version of the original `jheusala/finnish-invoice-template/invoice.tex`. The main difference is that it only contains information on the formatting of the document, and all information on the company, client and the invoice is read via pre-defined commands. The result is shown in Figure 2.

Rivi nro	Tuote/palvelu	KPL	A-hinta veroton	A-hinta verollinen	ALV-%	Veroton yhteensä	ALV yhteensä	Verollinen yhteensä
1	Työn otsikko 01.02.2016-29.02.2016	10,00	20,00	4,80	24%	200,00	48,00	248,00
2	Työn otsikko 01.03.2016-31.03.2016	10,00	20,00	4,80	24%	200,00	48,00	248,00
3	Työn otsikko 01.04.2016-30.04.2016	10,00	20,00	4,80	24%	200,00	48,00	248,00
	Yhteensä					600,00	144,00	744,00

Figure 2: Breakdown part of the invoice.

Main information is listed in the footer, as shown in Figure 3. On the top it lists company details such as street address, web address and email address. Next are IBAN and BIC numbers of the company's bank account, naturally it is crucial to have the correct information here or it would be a huge inconvenience to both parties. In the middle left the name and address of the company and client are shown, and on the right the client's id and invoice's id is shown. Finally on the bottom right the invoice's reference id, due date and total amount to be paid are shown. The full sample document can be found from [GitHub](#).

<b>Yritys ABC</b> Osoite 123 A 4 12345 Kaupunki 1		Y-tunnus: 5555555-5 Kotipaikka: Kaupunki 1 <a href="https://example.com">https://example.com</a>	Sähköposti: <a href="mailto:email@example.com">email@example.com</a> Puhelin: 040-1234567	IBAN: FI56 1111 2222 3333 44 BIC: NDEAFIHH	Viitenumero: 12 34567
Saajan tilinumero Mottagarens kontonummer	IBAN Pankki	FI56 1111 2222 3333 44		BIC NDEAFIHH	
Saaja Mottagare	Yritys ABC Osoite 123 A 4 12345 Kaupunki 1			Asiakasnumero: 101 Laskunumero: 10001	
TILISIRTO GIBERING Maksajan nimi ja osoite Betalarens namn och adress Alle- kirjoitus Underskrift	Asiakas XYZ Osoite 234 B 5 23456 Kaupunki 2			Viitenumero mainittava maksaessa!	
				Viitenro Ref.nr	12 34567
Tilitä nro Från konto nr				Eräpäivä Förf.dag	Euro 744,00

Maksu välitetään saajalle vain Suomessa Kotimaan maksujenvälityksen  
yhteisen ehtojen mukaisesti ja vain maksajan ilmoittaman tilinumeron pe-  
rustella.  
Betalingen förmedlas till mottagare endast i Finland enligt Allmänna vil-  
kor för arkiv betalningförmedling och endast till det kontonummer be-  
talarin angivits.

PANKKI BANKEN

Figure 3: Footer part of the invoice.

The original template used `code128` to create a barcode to the footer as well, but I didn't get it to work on Windows TeXworks so I had to disable it for now. I'm not sure if those are widely used nowadays, maybe not by Finnish individuals but by larger companies.