

# Example Log Documentation

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# Chapter 1

## Getting Started

### 1.1 Dependencies

On Debian GNU/Linux based computer:

```
sudo apt-get install texlive texlive-xetex texlive-latex-extra python-pygments latexmk
```

### 1.2 Installation

compile & install the program:

```
cd path/to/some/folder
svn co svn+ssh://username@csg.bcmd.bcm.edu/nfs/usr/local/svn/gw_log ./
svn up
sudo python3 setup.py install
```

### 1.3 Try It Out!

Run the following script and read the output

---

BASH

---

```
gw_log -h
gw_log doc -h
gw_log slides -h
gw_log doc demo.log --author "John Doe" --title "Example log documentation" --notoc -f --output demo.pdf
gw_log doc demo.log --author "John Doe" --title "Example log documentation" --full
```

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# Chapter 2

## Usage

### 2.1 Syntax

#### 2.1.1 Basic formatting

##### Emphasis symbols

“double quote”, ‘single quote’, *italics*, **bold**, ***bold italics***, monospaced, [www.google.com](http://www.google.com)

##### Reference note

I visit the [BCM website](http://www.bcm.edu) <sup>1</sup> daily

##### Blocks

this is a shadowed square

- this
- is
- a list block



##### Warning

this is a warning block



##### Note

this is a note block

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<sup>1</sup>[BCM website](http://www.bcm.edu) Baylor College of Medicine, [www.bcm.edu](http://www.bcm.edu)



## Important

this is an important block



## Tip

this is a tip block

## 2.1.2 Special boxes

### terminal output

OUTPUT

```

ESP6900.chr10.May02.release.vcf.gz      ESP6900.chr20.May02.release.vcf.gz.tbi
ESP6900.chr10.May02.release.vcf.gz.tbi ESP6900.chr21.May02.release.vcf.gz
ESP6900.chr11.May02.release.vcf.gz      ESP6900.chr21.May02.release.vcf.gz.tbi
ESP6900.chr11.May02.release.vcf.gz.tbi  ESP6900.chr22.May02.release.vcf.gz
ESP6900.chr12.May02.release.vcf.gz      ESP6900.chr22.May02.release.vcf.gz.tbi

```

### terminal command

```
echo "Hello, world!"
```

### languages

BASH

```

vtools init esp69h
chrs='X 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22'
for chr in $chrs
do
    vtools import --format cache/esp.fmt /home/HD1/ESP6900/May02/ESP6900.chr$chr.May02.release.vcf.gz --build hg19 -j7
    echo "sleeping for 1 min ... (time to kill me if you've planned so!)"
    sleep 60
done
vtools admin --merge_samples

```

R

```

argsv <- commandArgs(trailingOnly = TRUE)
dat <- read.table(pipe('cat /dev/stdin'), header=TRUE, sep = "\t")
for (i in argsv) get(i)(dat)

```

PYTHON

```

def map( fun, list ):
    nlist = []
    for item in list:
        nlist.append( fun( item ) )
    return nlist

```

CPP

```

#include <iostream>
using namespace std;
void main()

```

```
{  
    cout << "Hello World!" << endl;  
}
```

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SQL

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```
SELECT  
    kEntity, sTranType, sItemType,  
    COUNT(*) AS SaleLineCount,  
    SUM(mAmount) AS sum_mAmount  
FROM aTranLine  
WHERE  
    sTranType IN  
        ('CashSale', 'CustInv', 'CustChrg', 'CustCred')  
AND  
    bDocMain = False  
AND  
    sEntity2Type = 'CustJob'  
GROUP BY kEntity, sTranType, sItemType
```

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### 2.1.3 Figures

Support pdf, png and jpg. This is bcm logo



and smaller ...



## 2.2 Another Section

# Chapter 3

## Another Chapter