

Release Party Ubuntu 17.10

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Fakta Ubuntu

- Ubuntu adalah sebuah distro Linux yang digunakan untuk server, desktop, Internet of things, dll.
- Ubuntu adalah turunan dari Debian
- Ubuntu pertama kali dirilis 20 Oktober 2004
- Ubuntu berarti “Kemanusiaan terhadap sesama”

(Wikipedia)

Menggunakan Ubuntu untuk pengembangan web?

- Hampir seluruh teknologi web populer adalah *open source* dan dapat digunakan di Ubuntu
- Terminal menjadi keunggulan Linux; perpindahan *seamless* antara desktop dan server

Browser di Ubuntu

- Mozilla Firefox
- Chromium
- Google Chrome
- Brave
- Konqueror
- Epiphany
- dll.

Aplikasi web vs situs web?

- Situs web bersifat informasional
- Aplikasi web bersifat interaktif

(<http://www.aspneto.com/difference-website-vs-web-application-which-is-best.html>)

Komponen Pengembangan aplikasi web

- Basis data
- Pemrograman *back-end*
- Pemrograman *front-end*
- Desain antarmuka pengguna (UI)
- Desain pengalaman pengguna (UX)

Beberapa Basis Data

- RDBMS
 - MySQL
 - MariaDB
 - PostgreSQL
 - SQLite
- NoSQL
 - ScillaDB
 - Cassandra
 - MongoDB

Beberapa teknologi web yang berjalan di Ubuntu

- C++: TreeFrog Framework
- C#, VB, F#: .Net Core, Mono
- PHP: Laravel, Symphony, Yii 2, CodeIgniter, Phalcon, Zend
- Golang

- Ruby on Rails



- NodeJS



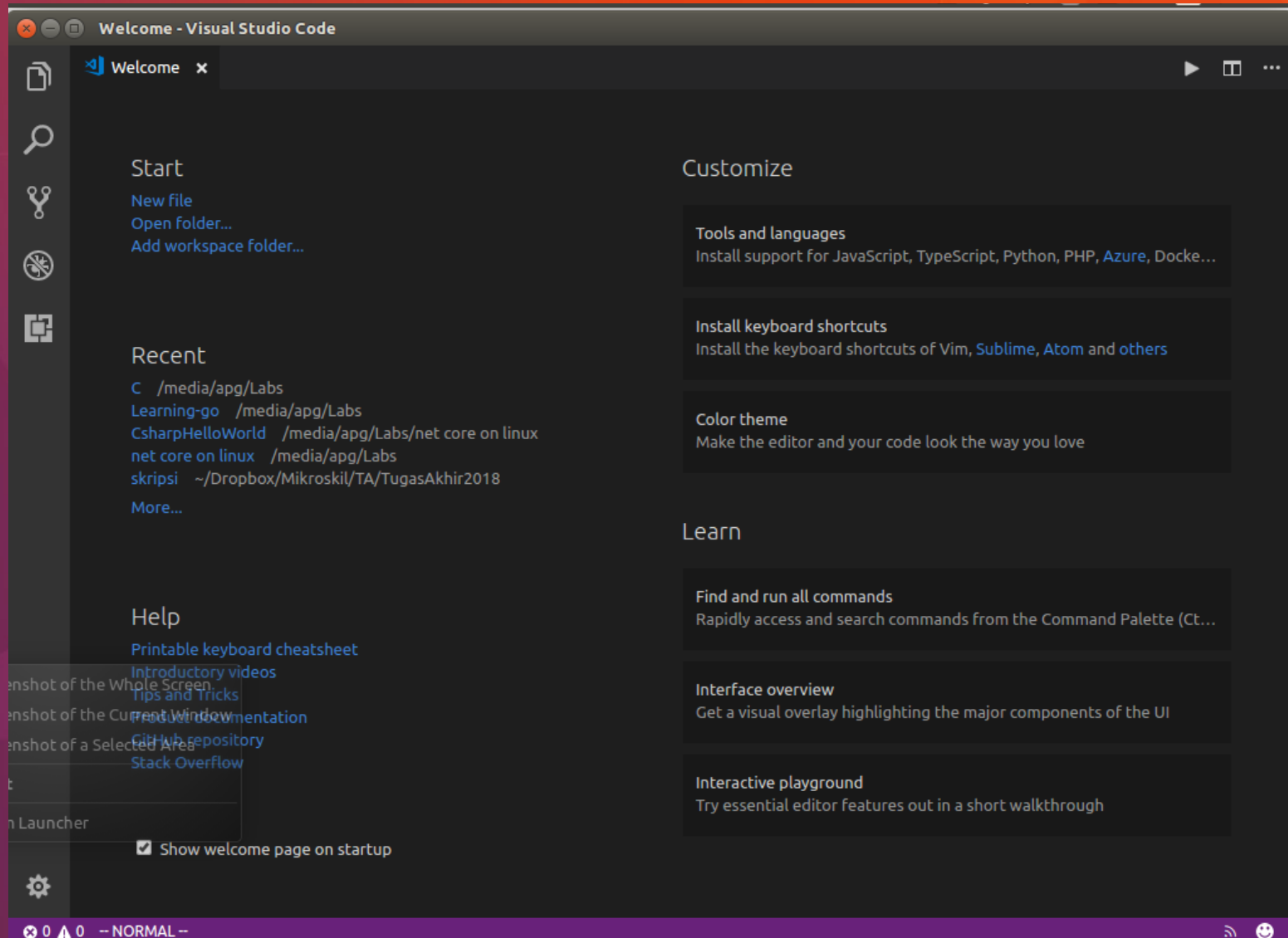
- Java: Spring, Spring Boot
- Python: Flask, Django
- Dll.

Framework FrontEnd JavaScript

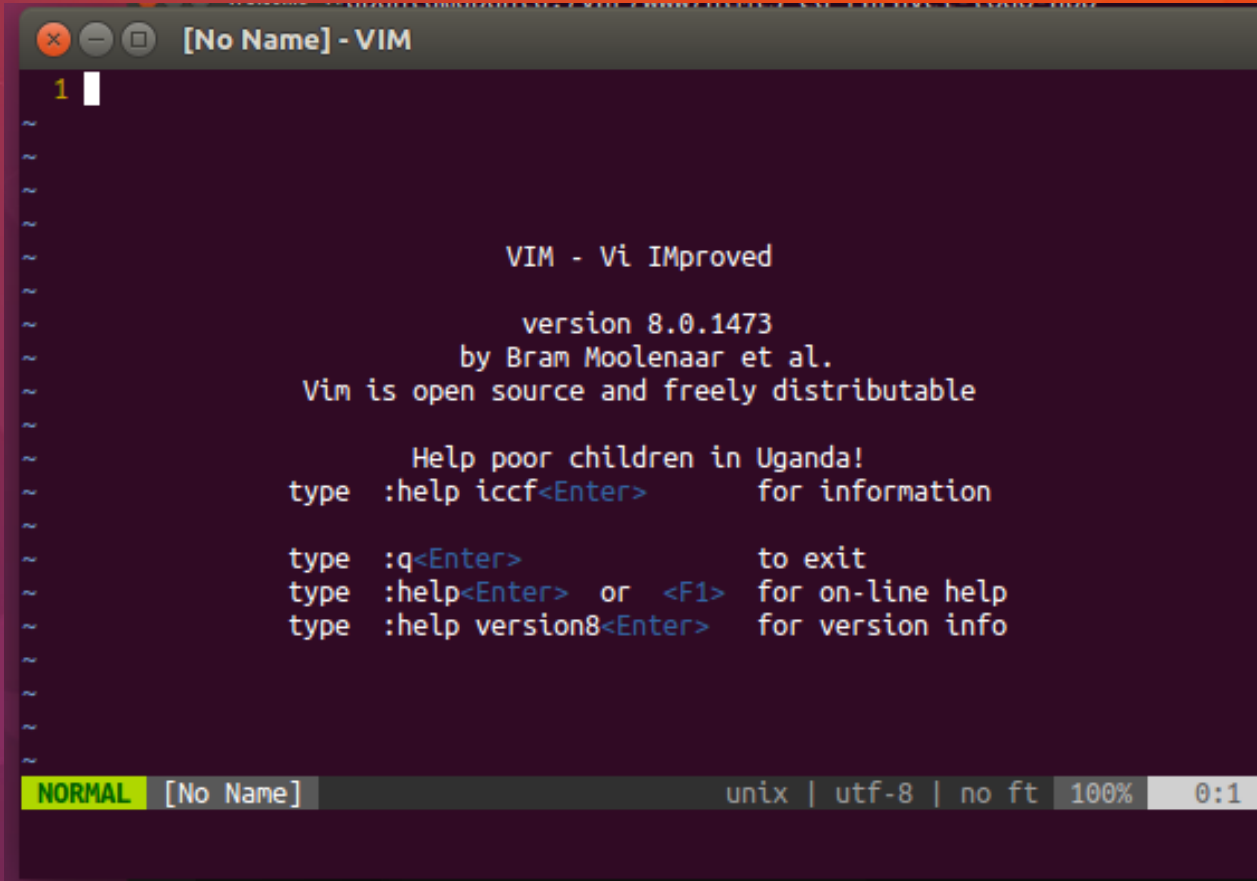
- AngularJS
- ReactJS
- VueJS
- EmberJS
- Dll.

Beberapa teks editor populer

- Visual Studio Code



- VIM



The screenshot shows a VIM editor window titled "[No Name] - VIM". The window has a dark purple background. At the top left, there is a status bar with "1" and a cursor. The main area displays the VIM startup screen with the following text:

```
VIM - Vi IMproved
      version 8.0.1473
    by Bram Moolenaar et al.
Vim is open source and freely distributable

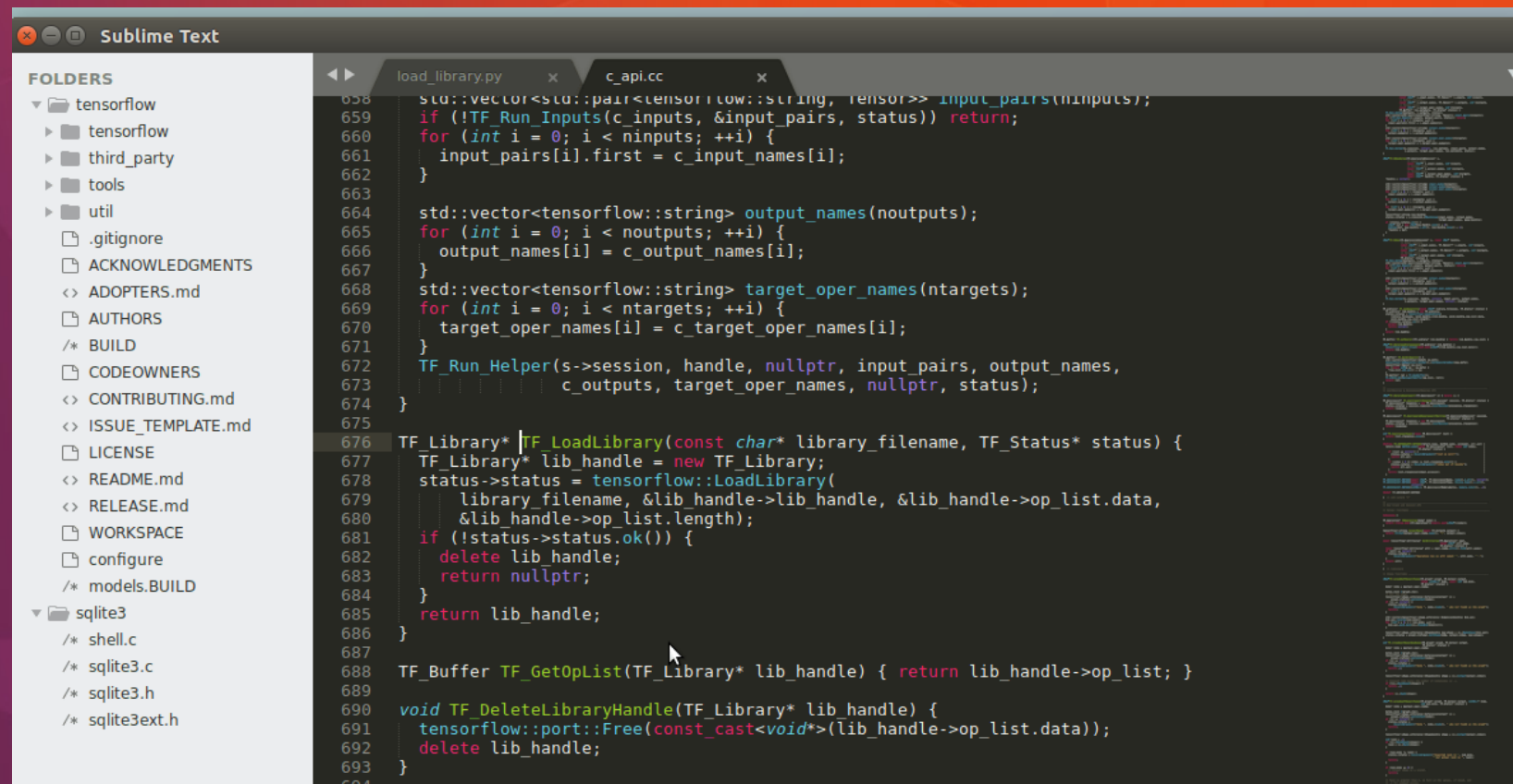
  Help poor children in Uganda!
type  :help iccf<Enter>      for information

type  :q<Enter>              to exit
type  :help<Enter> or <F1>   for on-line help
type  :help version8<Enter> for version info
```

At the bottom, there is a status bar with the following information:

```
NORMAL [No Name]          unix | utf-8 | no ft 100% 0:1
```

- Sublime Text



Sumber gambar: <https://www.sublimetext.com/>

- Atom

whileLoopSinglePage.php — /media/apg/Labs/php/newPHPPractice — Atom

Project

- fileExist.php
- filewrite.php
- footer.php
- for-array.php
- forloop.php
- ForLoopTables.php
- form.html
- function_with_argument.php
- function-with-two-arguments.php
- function.php
- header.php
- index2.php
- latihan.php
- marchingOrder.php
- message.php
- musicforTheMasses.php
- omellette.txt
- party.php
- passingArrayToAcceptingVariableArgumer

whileLoopSinglePage.php

```
1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
4     <title></title>
5   </head>
6   <body>
7     <?php
8       if (!isset($_POST['limit']))
9       { ?>
10        <form action="<?php echo $_SERVER['PHP_SELF']; ?>" method="
11        Enter upper limit value <input type="number" name = "limi
12        <input type = "submit" value = "Let's GO!">
13        </form>
14
15        <?php
16        } else
17        {
18          $upperLimit = $_POST['limit'];
19
20          if (isset($_POST['limit']))
21            echo "upper limit is set<br/>";
22
```

whileLoopSinglePage.php 1:1 LF UTF-8 PHP 0 files

Men-*deploy* aplikasi web di Ubuntu Server

- Agar dapat diakses publik, aplikasi web yang sudah selesai diletakkan di server Ubuntu
- Diakses melalui port 80 oleh publik, dilayani oleh program web server

Pasangan Webserver yang lazim digunakan

- Aplikasi berbasis PHP: Apache, Nginx, LightSpeed
- Aplikasi berbasis NodeJs: ExpressJs
- Aplikasi RubyonRails: Puma, Unicorn, WebBrick.
- Aplikasi berbasis .Net Core: Kestrel + Nginx/Apache
- Dll.

Demo

- Laravel:
<https://github.com/parthp1808/Laravel-todo-app>
- .net core app:
<https://docs.microsoft.com/en-us/aspnet/core/getting-started>