

## 任务 1 安装 httpd+php+mysql

平台：树莓派 + macos

1. PC 端无线联网， 以太网插在树莓派上， 共享网络连接。
2. 安装软件

首先 `sudo apt-get update`

安装 `apache:sudo apt-get install apache2`

安装 MySql:sudo apt-get install mysql-server

修改密码为 123456

```
?-?-?-?-?-?-?-?-?-?-?-?-?-?-?-?-?|
? While not mandatory, it is highly recommended that you set a p
? for the MySQL administrative "root" user.
?
? If this field is left blank, the password will not be changed.
?
? New password for the MySQL "root" user:
?  

?  

?                                     <Ok>
```

安装 PHP:sudo apt-get install libapache2-mod-php5 php5

```
sudo apt-get install php5-mysql
```

### 3. 启动 apache

```
sudo /etc/init.d/apache2 start
Starting web server: apache2apache2: Could not reliably determine the se
httpd (pid 8481) already running
.
pi@raspberrypi:~$
```

## 获取 ip 地址 ifconfig

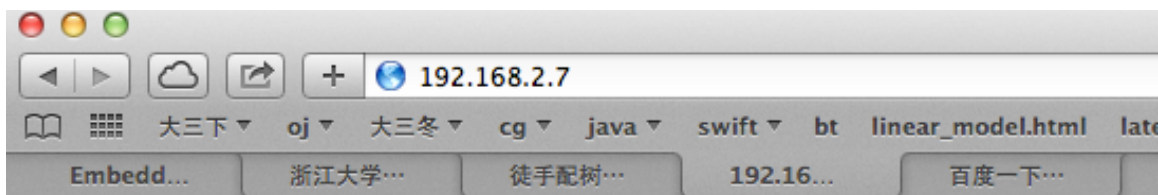
```

pi@raspberrypi:~$ ifconfig
eth0      Link encap:Ethernet  HWaddr b8:27:eb:7a:11:51
          inet addr:192.168.2.7  Bcast:192.168.2.255  Mask:255.255.255
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:18637 errors:0 dropped:1 overruns:0 frame:0
          TX packets:16558 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:27072392 (25.8 MiB)  TX bytes:1406621 (1.3 MiB)

lo        Link encap:Local Loopback
          inet addr:127.0.0.1  Mask:255.0.0.0
          UP LOOPBACK RUNNING  MTU:65536  Metric:1
          RX packets:114 errors:0 dropped:0 overruns:0 frame:0

```

在 pc 端打开，可验证 apache 开启了



## It works!

This is the default web page for this server.

The web server software is running but no content has been added, yet.

### 4.启动 Mysql

```

pi@raspberrypi:~$ mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 43
Server version: 5.5.41-0+wheezy1 (Debian)

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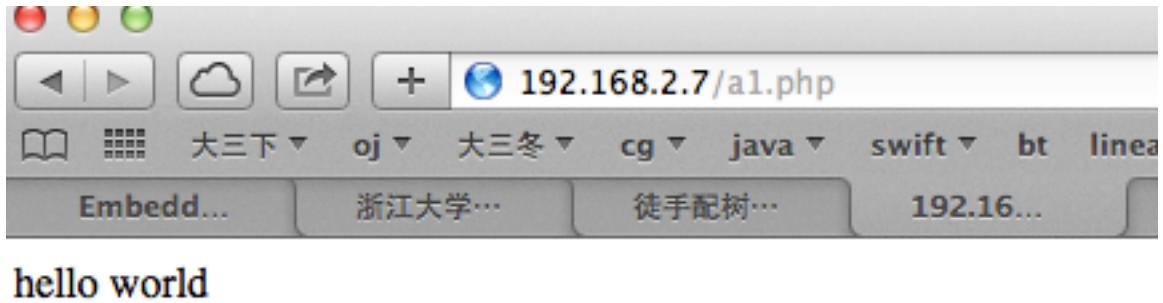
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affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> █

```

## 5. 编写 a.php 输出 helloworld 测试网页



## 6. php 访问 mysql

创建一个数据库，并创建一个表

```
mysql> use test
Database changed
mysql> create table test(number int, name varchar(20));
Query OK, 0 rows affected (0.89 sec)

mysql> █
```

php 端代码 a2.php

```
<?php
$conn1=mysql_connect("localhost", "root", "123456");

mysql_select_db("test");//connect

$sql = "INSERT INTO test (number, name) VALUES (312000, 'abs')";

$result = mysql_query($sql, $conn1);

█
?>
```

pc 端打开，a2.php



因为多点了一次，所以插入了两条。。。

然后查看 mysql，发现已经插入了。

you can turn off this feature to get a quicker startup with --

```
Database changed
mysql> select * from test
-> ;
+-----+-----+
| number | name |
+-----+-----+
| 312000 | abs  |
| 312000 | abs  |
+-----+-----+
2 rows in set (0.00 sec)
```