A terminal window with a title bar containing a home icon, the text "joe — joe@www-thegummibear: ~ — ssh + ssh yavin — 109x32", and three colored window control buttons (red, yellow, green). The window has three tabs: the first is "joe@www-thegummibear: ~ — ssh + ssh yavin", the second is "root@joe-xen:~ — ssh + ssh yavin", and the third is "joe@www-thegummibear: ~ — ssh + ssh ya...". The terminal content shows a command being executed: "joe@www-thegummibear:~\$ echo \"We are going to install PHP. A server-side scripting language\"". The output of the command is "We are going to install PHP. A server-side scripting language". The prompt "joe@www-thegummibear:~\$" is followed by a cursor.

```
joe@www-thegummibear:~$ echo "We are going to install PHP. A server-side scripting language"
We are going to install PHP. A server-side scripting language
joe@www-thegummibear:~$
```



joe@www-thegummibear: ~



```
joe@www-thegummibear:~$ sudo apt install libapache2-mod-php php php-mysql
```

```
joe — joe@www-thegummibear: ~ — ssh • ssh yavin — 109x32
~ — ssh • ssh yavin ... ~ — root@joe-xen:~ — ssh • ssh yavin joe@www-thegummibear: ~ — ssh • ssh ya... +
joe@www-thegummibear:~$ echo "Make sure you have added an A record or a CNAME for this new php site"
Make sure you have added an A record or a CNAME for this new php site
joe@www-thegummibear:~$ █
```

```
joe — joe@ns1-thegummibear: /etc/bind — ssh • ssh yavin — 109x32
~ — ssh • ssh yavin ... ~ — root@joe-xen:~ — ssh • ssh yavin joe@ns1-thegummibear: /etc/bind — ssh • s... +

mail    IN      MX      10 mail

;
; A address records
;

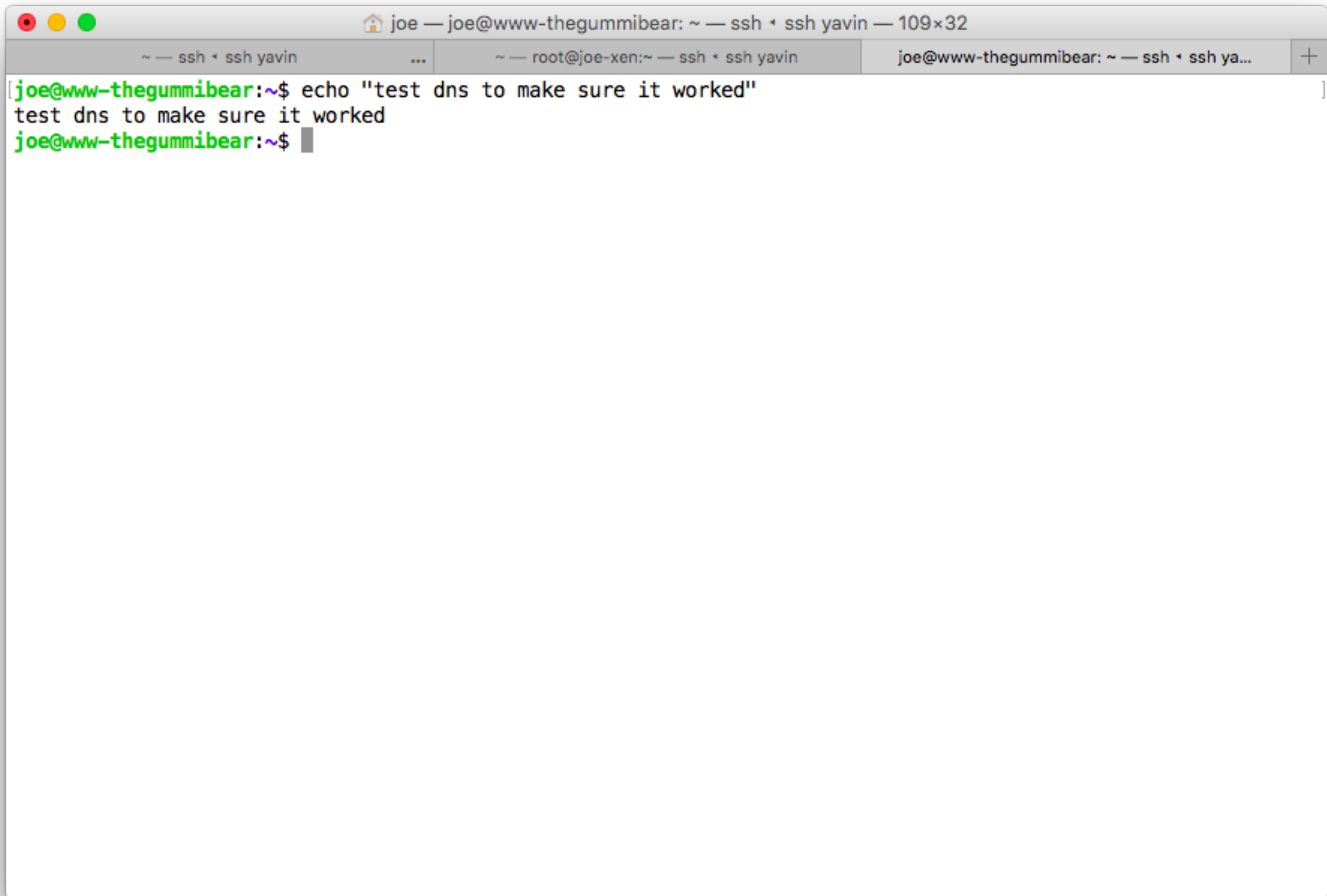
ns1     IN      A       144.38.199.162
ns2     IN      A       144.38.199.163
mail    IN      A       144.38.199.164
www     IN      A       144.38.199.165
filesystem IN    A       144.38.199.166
db      IN      A       144.38.199.167
resources IN   A       144.38.199.168

; Some CNAME addresses
squishy IN     CNAME   www
iateat  IN     CNAME   www
; I added bouncy for my php script demo
bouncy  IN     CNAME   www

gooey   IN      A       144.38.199.170
sticky  IN      A       144.38.199.171

fs      IN      CNAME   filesystem
blue    IN      CNAME   www
red     IN      CNAME   www
green   IN      CNAME   www
orange  IN      CNAME   www
~
~
~
"db.thegummibear.com" 56L, 1284C written                                46,39                                Bot
```

```
joe — joe@ns1-thegummibear: /etc/bind — ssh • ssh yavin — 109x32
~ — ssh • ssh yavin  ...  ~ — root@joe-xen:~ — ssh • ssh yavin  joe@ns1-thegummibear: /etc/bind — ssh • s... +
[joe@ns1-thegummibear:/etc/bind$ echo "don't forget to increment serial and restart bind"
don't forget to increment serial and restart bind
[joe@ns1-thegummibear:/etc/bind$ sudo service bind9 restart
joe@ns1-thegummibear:/etc/bind$ █
```



The image shows a terminal window with three tabs. The active tab is titled "joe@www-thegummibear: ~ — ssh + ssh ya...". The terminal content is as follows:

```
joe@www-thegummibear:~$ echo "test dns to make sure it worked"
test dns to make sure it worked
joe@www-thegummibear:~$ █
```

```
joe — joe@www-thegummibear: ~ — ssh • ssh yavin — 109x32
~ — ssh • ssh yavin ... ~ — root@joe-xen:~ — ssh • ssh yavin joe@www-thegummibear: ~ — ssh • ssh ya... +
joe@www-thegummibear:~$ dig bouncy.thegummibear.com

; <<> DiG 9.10.3-P4-Ubuntu <<> bouncy.thegummibear.com
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 34446
;; flags: qr aa rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 2, ADDITIONAL: 3

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 4096
;; QUESTION SECTION:
;bouncy.thegummibear.com.      IN      A

;; ANSWER SECTION:
bouncy.thegummibear.com. 3600   IN      CNAME   www.thegummibear.com.
www.thegummibear.com.   3600   IN      A       144.38.199.165

;; AUTHORITY SECTION:
thegummibear.com.      3600   IN      NS      ns1.thegummibear.com.
thegummibear.com.      3600   IN      NS      ns2.thegummibear.com.

;; ADDITIONAL SECTION:
ns1.thegummibear.com.  3600   IN      A       144.38.199.162
ns2.thegummibear.com.  3600   IN      A       144.38.199.163

;; Query time: 0 msec
;; SERVER: 144.38.199.162#53(144.38.199.162)
;; WHEN: Tue Sep 27 15:27:09 MDT 2016
;; MSG SIZE rcvd: 154

joe@www-thegummibear:~$ █
```

```
joe — joe@www-thegummibear: ~ — ssh • ssh yavin — 109x32
~ — ssh • ssh yavin ... ~ — root@joe-xen:~ — ssh • ssh yavin joe@www-thegummibear: ~ — ssh • ssh ya... +
joe@www-thegummibear:~$ echo "Create a virtual hosts file for the new php application"
Create a virtual hosts file for the new php application
joe@www-thegummibear:~$ █
```




The image shows a terminal window with a title bar that reads "joe — joe@www-thegummibear: ~ — ssh • ssh yavin — 109x32". Below the title bar, there are three tabs: the first is "~ — ssh • ssh yavin", the second is "~ — root@joe-xen:~ — ssh • ssh yavin", and the third is "joe@www-thegummibear: ~ — ssh • ssh ya...". The main content of the terminal is a single line of text: "joe@www-thegummibear:~\$ sudo vi /etc/apache2/sites-available/bouncy.thegummibear.com.conf". The prompt "joe@www-thegummibear:~\$" is in green, and the rest of the command is in black. A cursor is visible at the end of the command line.

```
joe@www-thegummibear:~$ sudo vi /etc/apache2/sites-available/bouncy.thegummibear.com.conf
```



```
joe — joe@www-thegummibear: ~ — ssh • ssh yavin — 109x32
~ — ssh • ssh yavin ... ~ — root@joe-xen:~ — ssh • ssh yavin joe@www-thegummibear: ~ — ssh • ssh ya... +
[joe@www-thegummibear:~$ echo "Actually create the document root on the filesystem"
Actually create the document root on the filesystem
[joe@www-thegummibear:~$ sudo mkdir /var/www/html/bouncy.thegummibear.com
joe@www-thegummibear:~$ █
```

```
joe — joe@www-thegummibear: ~ — ssh • ssh yavin — 109x32
~ — ssh • ssh yavin ... ~ — root@joe-xen:~ — ssh • ssh yavin joe@www-thegummibear: ~ — ssh • ssh ya... +
[joe@www-thegummibear:~$ echo "Enable the virtual host"
Enable the virtual host
[joe@www-thegummibear:~$ sudo a2ensite bouncy.thegummibear.com.conf
Enabling site bouncy.thegummibear.com.
To activate the new configuration, you need to run:
  service apache2 reload
[joe@www-thegummibear:~$ sudo service apache2 reload
joe@www-thegummibear:~$ █
```

```
joe — joe@www-thegummibear: /var/www/html/bouncy.thegummibear.com — ssh + ssh yavin — 109x32
~ — ssh + ssh yavin ... root@joe-xen:~ — ssh + ssh y... joe@www-thegummibear: /var... joe@resources-thegummibear... +
[joe@www-thegummibear:~$ echo "We must create some test content"
We must create some test content
[joe@www-thegummibear:~$ cd /var/www/html/bouncy.thegummibear.com/
joe@www-thegummibear:/var/www/html/bouncy.thegummibear.com$ █
```




bouncy.thegummibear.com

Joe



bouncy.thegummibear.com



Apps eportfolio dixie Nginx HTTP Server... vSphere Design Bes... Geneology Imported From Firefox PowerTeacher

BOUNCY

Gummi bears like to bounce

```
<html>
  <body>
  <?php

echo "<ul>";
for ($i=0; $i<10; $i++)
{
  echo "<li> Here is line number $i";
}
echo "</ul>";

?>

  </body>
</html>
simple_app.php (END)
```


The image shows a screenshot of a web browser window. The address bar displays the URL `bouncy.thegummibear.com/simple_app.php`. The browser's tab bar shows two tabs: `bouncy.thegummibear.com/sim` and `y15m09d30p02-HTTP-scripti`. The browser's toolbar includes navigation buttons (back, forward, refresh), a search icon, and a user profile icon labeled "Joe". The browser's bookmark bar shows several folders: "Apps", "eportfolio", "dixie", "Nginx HTTP Server...", "vSphere Design Bes...", "Geneology", "Imported From Firefox", and "PowerTeacher". The main content area of the browser displays a list of 10 items, each starting with a bullet point and followed by the text "Here is line number" followed by a number from 0 to 9.

- Here is line number 0
- Here is line number 1
- Here is line number 2
- Here is line number 3
- Here is line number 4
- Here is line number 5
- Here is line number 6
- Here is line number 7
- Here is line number 8
- Here is line number 9

```
joe — joe@www-thegummibear: /var/www/html/bouncy.thegummibear.com — ssh + ssh yavin — 109x32
~ — ssh + ssh yavin  ...  root@joe-xen:~ — ssh + ssh y...  joe@www-thegummibear: /var...  joe@resources-thegummibear...  +
[joe@www-thegummibear:/var/www/html/bouncy.thegummibear.com]$ echo "Another simple php script"
Another simple php script
[joe@www-thegummibear:/var/www/html/bouncy.thegummibear.com]$ ls
index.html  simple_app.php
[joe@www-thegummibear:/var/www/html/bouncy.thegummibear.com]$ sudo vi mid_app.php
```

```
Joe@www-thegummibear: /var/www/html/bouncy.thegummibear.com
joe@yavin: ~/f16/it3100/grades x Joe@www-thegummibear: /var/www/html/bou... x
<?php
phpinfo();
?>
mid_app.php (END)
```

phpinfo() x CT y15m09d30p02-HTTP-scripti x Joe

bouncy.thegummibear.com/mid_app.php

Apps eportfolio dixie Nginx HTTP Server... vSphere Design Bes... Geneology Imported From Firefox PowerTeacher

PHP Version 7.0.8-0ubuntu0.16.04.2



System	Linux www-thegummibear 4.4.0-36-generic #55-Ubuntu SMP Thu Aug 11 18:01:55 UTC 2016 x86_64
Server API	Apache 2.0 Handler
Virtual Directory Support	disabled
Configuration File (php.ini) Path	/etc/php/7.0/apache2
Loaded Configuration File	/etc/php/7.0/apache2/php.ini
Scan this dir for additional .ini files	/etc/php/7.0/apache2/conf.d
Additional .ini files parsed	/etc/php/7.0/apache2/conf.d/10-opcache.ini, /etc/php/7.0/apache2/conf.d/10-pdo.ini, /etc/php/7.0/apache2/conf.d/20-calendar.ini, /etc/php/7.0/apache2/conf.d/20-ctype.ini, /etc/php/7.0/apache2/conf.d/20-exif.ini, /etc/php/7.0/apache2/conf.d/20-fileinfo.ini, /etc/php/7.0/apache2/conf.d/20-ftp.ini, /etc/php/7.0/apache2/conf.d/20-gettext.ini, /etc/php/7.0/apache2/conf.d/20-iconv.ini, /etc/php/7.0/apache2/conf.d/20-json.ini, /etc/php/7.0/apache2/conf.d/20-phar.ini, /etc/php/7.0/apache2/conf.d/20-posix.ini, /etc/php/7.0/apache2/conf.d/20-readline.ini, /etc/php/7.0/apache2/conf.d/20-shmop.ini, /etc/php/7.0/apache2/conf.d/20-sockets.ini, /etc/php/7.0/apache2/conf.d/20-sysvmsg.ini, /etc/php/7.0/apache2/conf.d/20-sysvsem.ini, /etc/php/7.0/apache2/conf.d/20-sysvshm.ini, /etc/php/7.0/apache2/conf.d/20-tokenizer.ini
PHP API	20151012
PHP Extension	20151012
Zend Extension	320151012
Zend Extension Build	API320151012,NTS
PHP Extension Build	API20151012,NTS

```
joe — joe@www-thegummibear: /var/www/html/bouncy.thegummibear.com — ssh † ssh yavin — 109×32
~ — ssh † ssh yavin  ...  root@joe-xen:~ — ssh † ssh y...  joe@www-thegummibear: /var...  joe@resources-thegummibear...  +
[joe@www-thegummibear:/var/www/html/bouncy.thegummibear.com$ echo "Another test application"
Another test application
joe@www-thegummibear:/var/www/html/bouncy.thegummibear.com$ sudo vi harder_app.php
```




bouncy.thegummibear.com/har x y15m09d30p02-HTTP-scripti x

Joe



bouncy.thegummibear.com/harder_app.php



Apps eportfolio dixie Nginx HTTP Server... vSphere Design Bes... Geneology Imported From Firefox PowerTeacher

2016-09-27-15-49-36 :: 3:49:36: pm Tuesday September 27 2016

```
joe — joe@www-thegummibear: /var/www/html/bouncy.thegummibear.com — ssh + ssh yavin — 109x32
~ — ssh + ssh yavin ... root@joe-xen:~ — ssh + ssh y... joe@www-thegummibear: /var... joe@resources-thegummibear... +
[joe@www-thegummibear:/var/www/html/bouncy.thegummibear.com]$ echo "Now to make all apps available from the index page"
Now to make all apps available from the index page
[joe@www-thegummibear:/var/www/html/bouncy.thegummibear.com]$ sudo vi index.html █
```




bouncy.thegummibear.com



CT y15m09d30p02-HTTP-scripti



Joe



bouncy.thegummibear.com



Apps eportfolio dixie Nginx HTTP Server... vSphere Design Bes... Geneology Imported From Firefox PowerTeacher

BOUNCY

Gummi bears like to bounce

- [Simple](#)
- [Mid](#)
- [Hard](#)

```
joe — joe@www-thegummibear: /var/www/html/bouncy.thegummibear.com — ssh + ssh yavin — 109x32
~ — ssh + ssh yavin ... root@joe-xen:~ — ssh + ssh y... joe@www-thegummibear: /var... joe@resources-thegummibear... +
joe@www-thegummibear:/var/www/html/bouncy.thegummibear.com$ echo "Now I am going to find some random php appl
ication on the internet and install it"
Now I am going to find some random php application on the internet and install it
joe@www-thegummibear:/var/www/html/bouncy.thegummibear.com$ █
```

Browser tabs: bouncy.thegumm x, y15m09d30p02 x, Dixie State CIT :: x, PHP 5 Mail Funct x, Tic Tac Toe in PH x, Joe

Address bar: www.javaist.com/blog/2013/04/29/tictactoe-in-php/comment-page-1/

Navigation: Apps, eportfolio, dixie, Nginx HTTP Server..., vSphere Design Bes..., Geneology, Imported From Firefox, PowerTeacher

Blog Header: indie dev blog

Tags: #Blpolar, #DeepLearning, #denemeler, #Dlang, #DOM, #GameDev, #html5, #Java8, #jquery, Actionscript 3.0, Deneme, Discrete Math, Dynamic Blog Post, Java, MATLAB, PHP, Project Euler, Prolog, Python, Scheme, Theory, Uncategorized

Calendar

April 2013

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29	30					

« Jul Feb »

Tic Tac Toe in PHP [Single Page]

Posted on April 29, 2013 by yigoli 1 Comment

```
<?php
session_start(); //First thing to do is the s
/**
This is a simple TicTacToe game single page i
Feel free to copy and modify the code
**/

$win=-1;

if(isset($_POST['res'])) //This is for resett
{
session_destroy();
print<<<HTML
```

Search

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- Nina on [GCD, LCM Functions in Matlab](#)
- evans on [Tic Tac Toe in PHP \[Single Page\]](#)
- shewaye on [Eight Queens Problem in Prolog](#)
- yigoli on [Perfect Numbers Finder in](#)

```
joe — joe@www-thegummibear: /var/www/html/bouncy.thegummibear.com — ssh + ssh yavin — 109x32
~ — ssh + ssh yavin ... root@joe-xen:~ — ssh + ssh y... joe@www-thegummibear: /var... joe@resources-thegummibear... +
<?php
session_start(); //First thing to do is the start the session...
/**
This is a simple TicTacToe game single page implementation with session variables.
Feel free to copy and modify the code
**/

$win=-1;

if(isset($_POST['res'])) //This is for resetting the game.
{
session_destroy();
print<<<HERE
Session destroyed. Start <a href="">a new game</a>;
HERE;

}

print <<<HERE
<form action="" method="post">
<table width="100"><tr>\n
HERE;

if(isset($_SESSION['who']))
$who = $_SESSION['who']; //get who is playing right now

"tic.php" 197L, 3137C 1,1 Top
```

Browser tabs: bouncy.thegumm x, ET y15m09d30p02- x, ET Dixie State CIT :: x, PHP 5 Mail Funct x, Tic Tac Toe in PH x, Joe

Address bar: bouncy.thegummibear.com/tic.php

Navigation: Apps, eportfolio, dixe, Nginx HTTP Server..., vSphere Design Bes..., Geneology, Imported From Firefox, PowerTeacher

X is playing

0	1	2
3	4	5
6	7	8

reset

WaterPokemon-f15.tgz

Show All

Windows browser interface with multiple tabs: bouncy.thegumm, y15m09d30p02, Dixie State CIT, PHP 5 Mail Funct, Tic Tac Toe in PH, and a profile named Joe.

Address bar: bouncy.thegummibear.com/tic.php

Navigation icons: back, forward, refresh, star, error, print, zoom, and menu.

Bookmarks: Apps, eportfolio, dixie, Nginx HTTP Server..., vSphere Design Bes..., Geneology, Imported From Firefox, PowerTeacher.

Game content:

O is playing

X	1	2
3	X	O
6	7	8

reset

Download bar: WaterPokemon-f15.tgz, Show All, X

Windows: bouncy.thegumm x ET y15m09d30p02 x ET Dixie State CIT :: x PHP 5 Mail Funct x Tic Tac Toe in PH x Joe

Address bar: bouncy.thegummibear.com/tic.php

Navigation: Apps eportfolio dixe Nginx HTTP Server... vSphere Design Bes... Geneology Imported From Firefox PowerTeacher

X is playing

X	1	O
3	X	O
6	X	O

0 wins

reset

WaterPokemon-f15.tgz Show All x