

PHP Practical Examples

Gateway/400 Group

May 8, 2008

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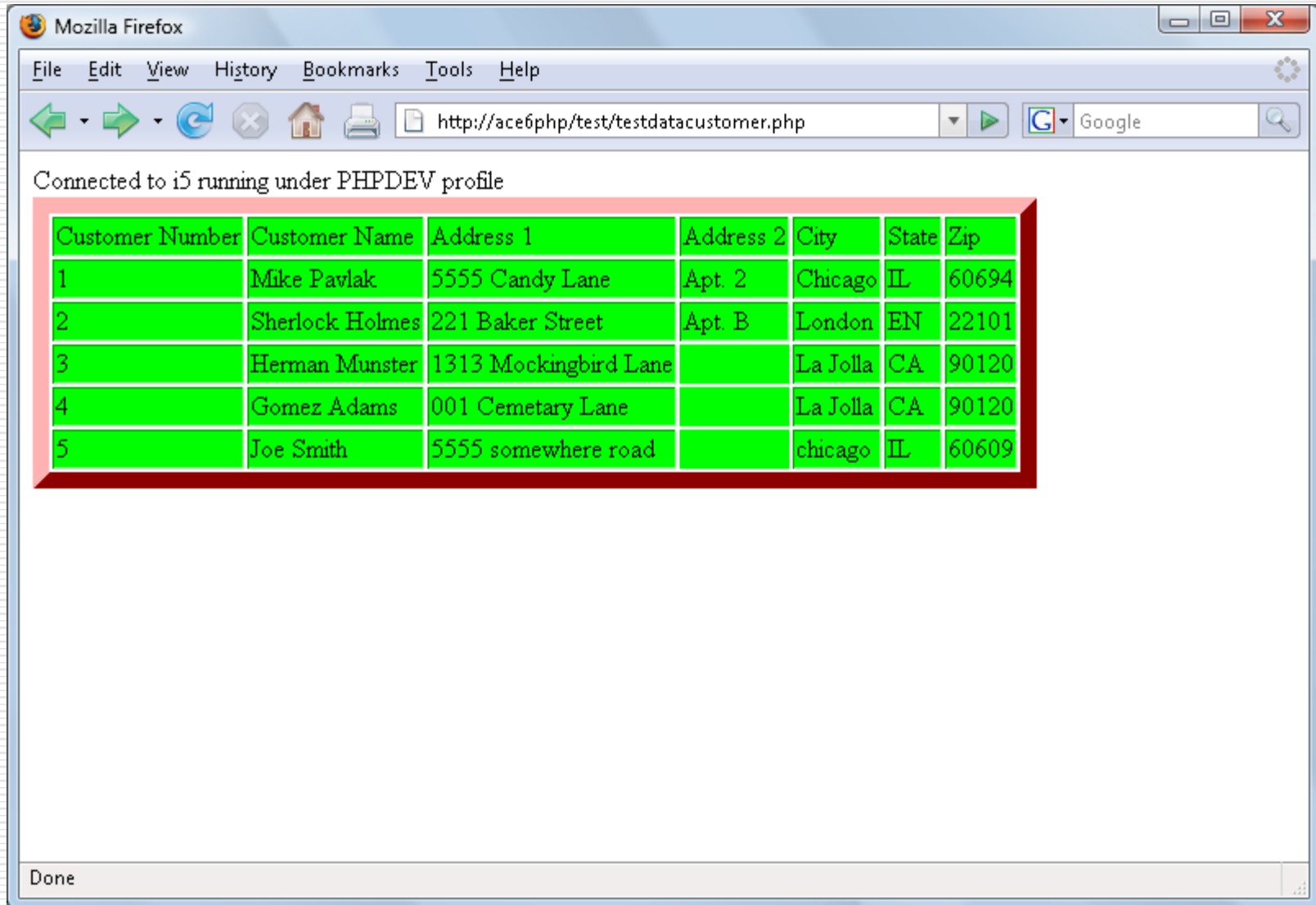
Five Examples

- Example 1: Listing with Prompt
- Example 2: Program Call
- Example 3: Connection w/ Include
- Example 4: Data area w/ i5_Connect
- Example 5: Chart

Example 1: List with Prompt (2 script)

- ❑ Connect to System i
 - ❑ Ask User to Select Customer
 - ❑ Display Customer Information
 - ❑ Disconnect
-

Data set...

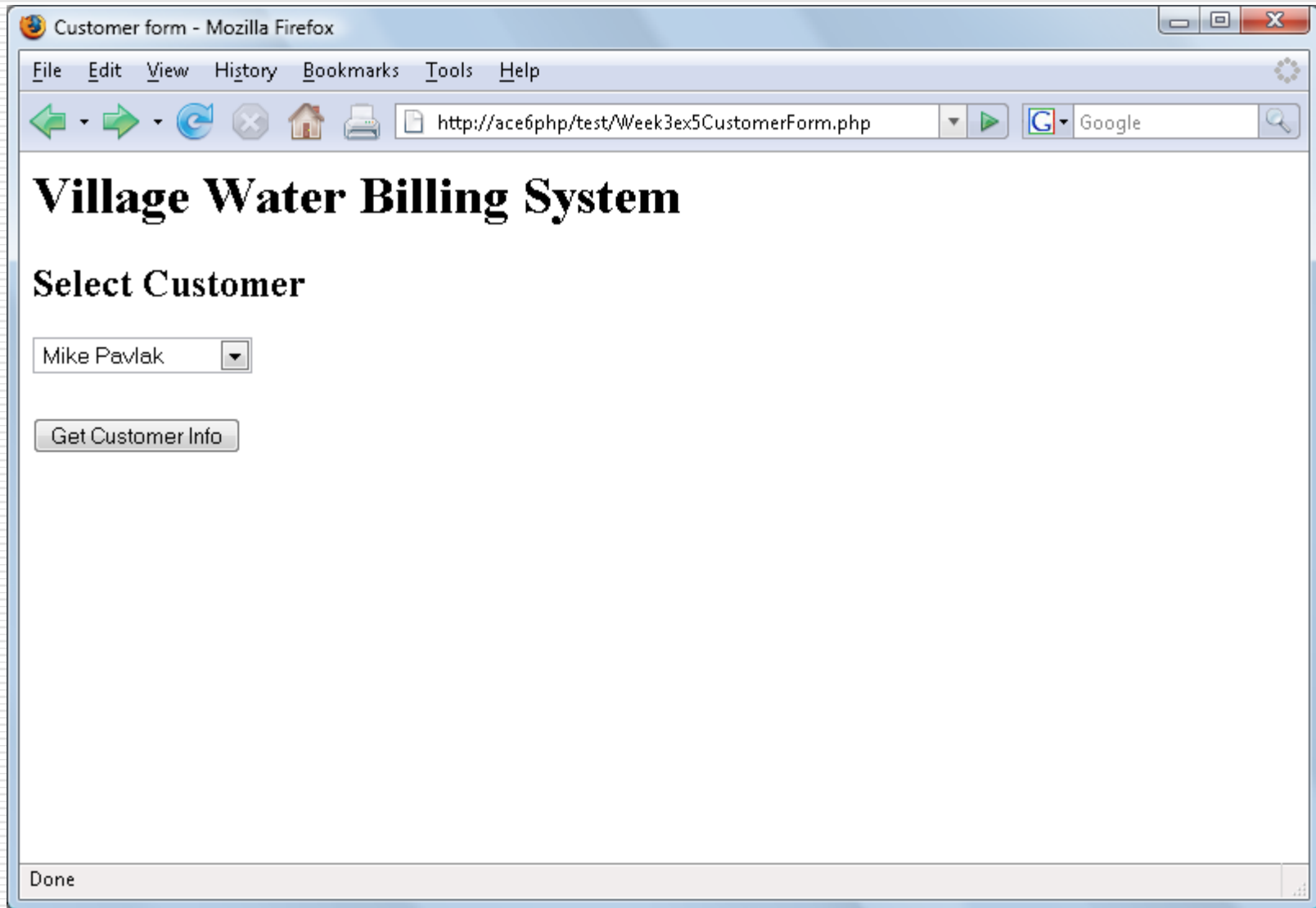


Connected to i5 running under PHPDEV profile

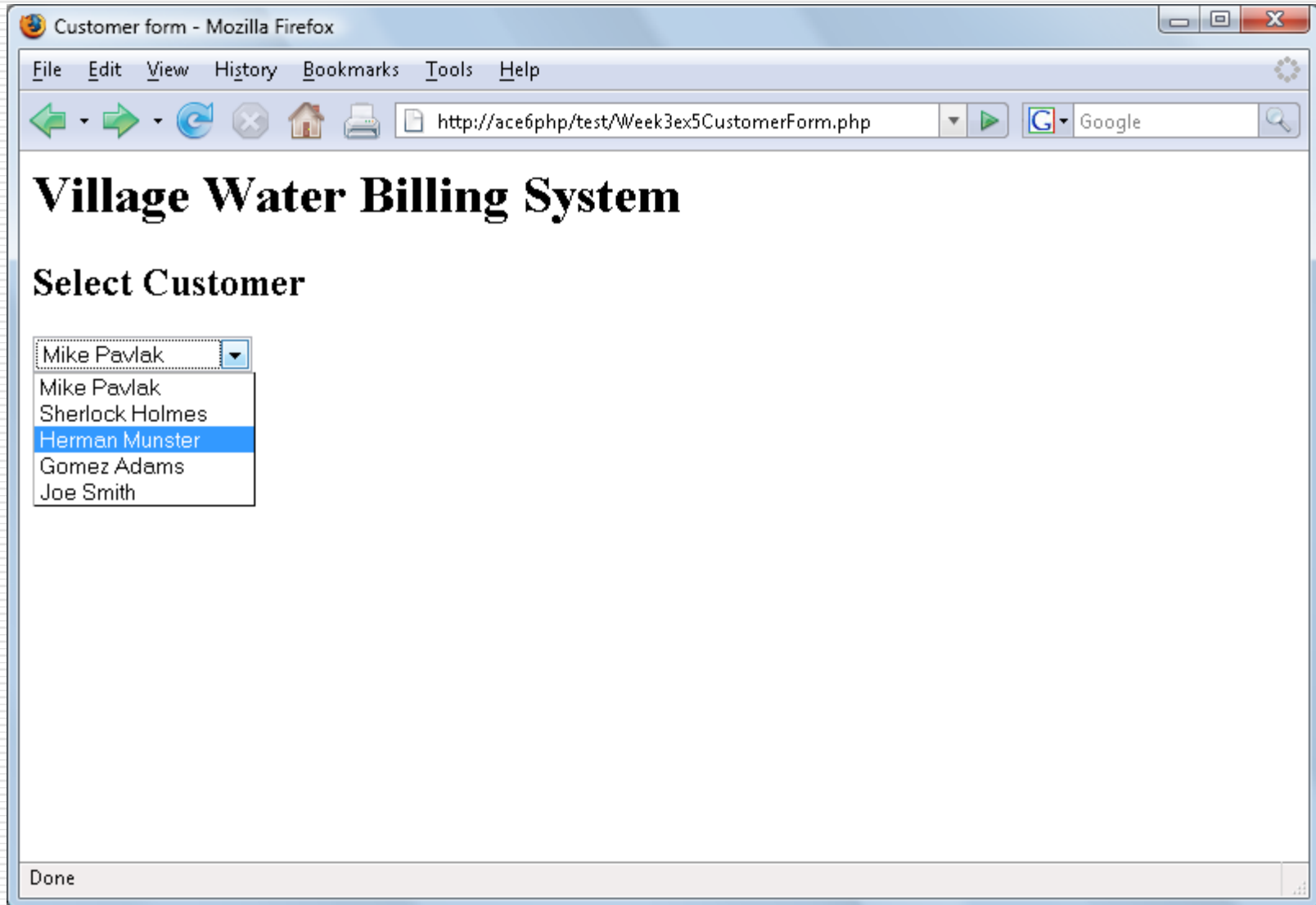
Customer Number	Customer Name	Address 1	Address 2	City	State	Zip
1	Mike Pavlak	5555 Candy Lane	Apt. 2	Chicago	IL	60694
2	Sherlock Holmes	221 Baker Street	Apt. B	London	EN	22101
3	Herman Munster	1313 Mockingbird Lane		La Jolla	CA	90120
4	Gomez Adams	001 Cemetary Lane		La Jolla	CA	90120
5	Joe Smith	5555 somewhere road		chicago	IL	60609

Done

Select customer...



View drop down and select...



Display customer data

The screenshot shows a Mozilla Firefox browser window with the address bar containing `http://ace6php/test/Week3Ex4CustomerDisplay.php`. The page title is "Customer information for number 3". A table with a red border displays the following data:

Customer Number	Customer Name	Address Line 1	Address Line 2	City	State	Zip Code
3	Herman Munster	1313 Mockingbird Lane		La Jolla	CA	90120

The status bar at the bottom of the browser window shows "Done".

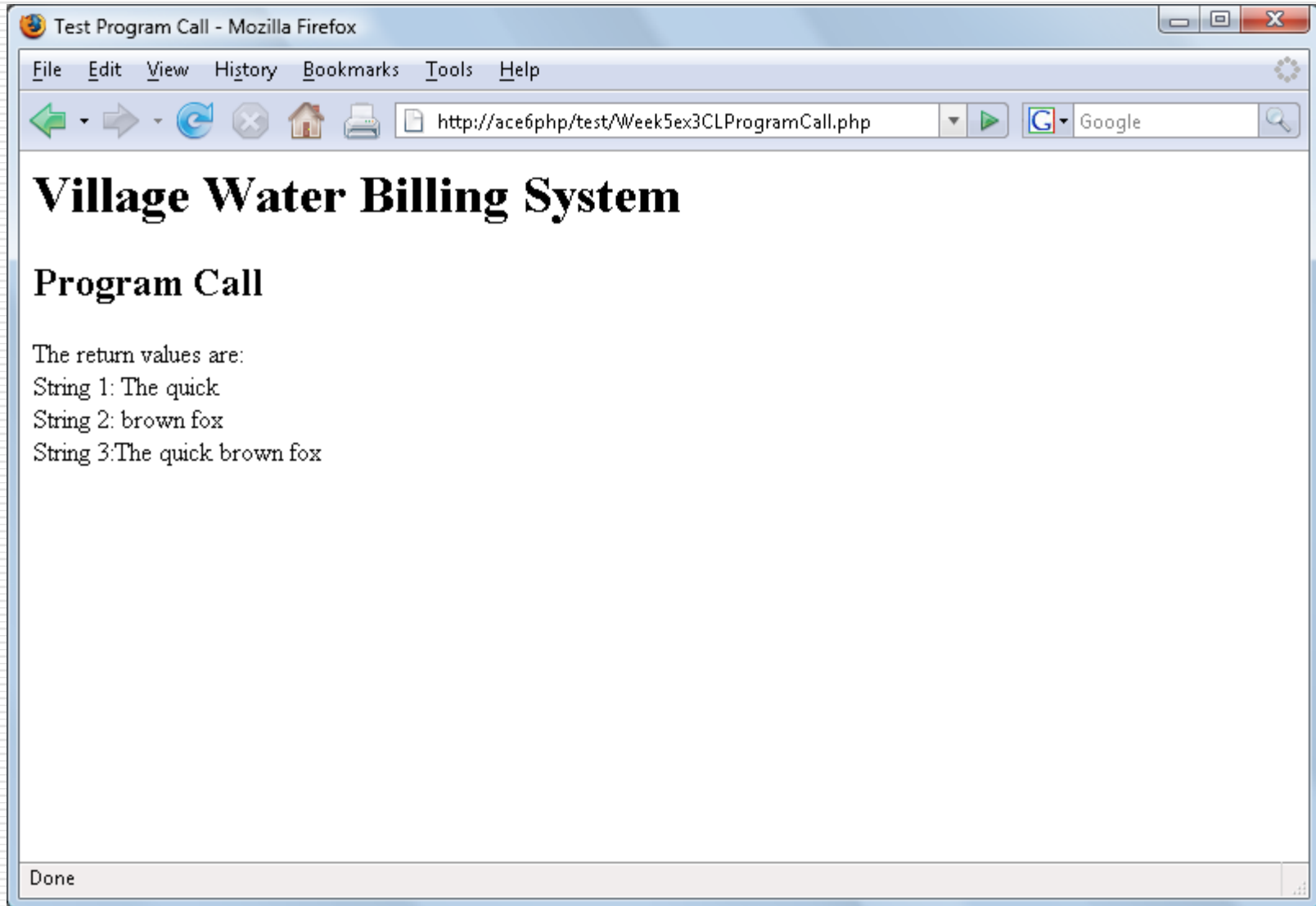
Code for Page...

See Zend Studio!

Example 2: CL Program Call

- ❑ Connect to System i
 - ❑ Input 2 Character Strings
 - ❑ Have CL Program Concatenate Strings
 - ❑ Display Input and Output strings
 - ❑ Disconnect
-

Character strings...



Code for Page...

See Zend Studio!

Example 3: System Values

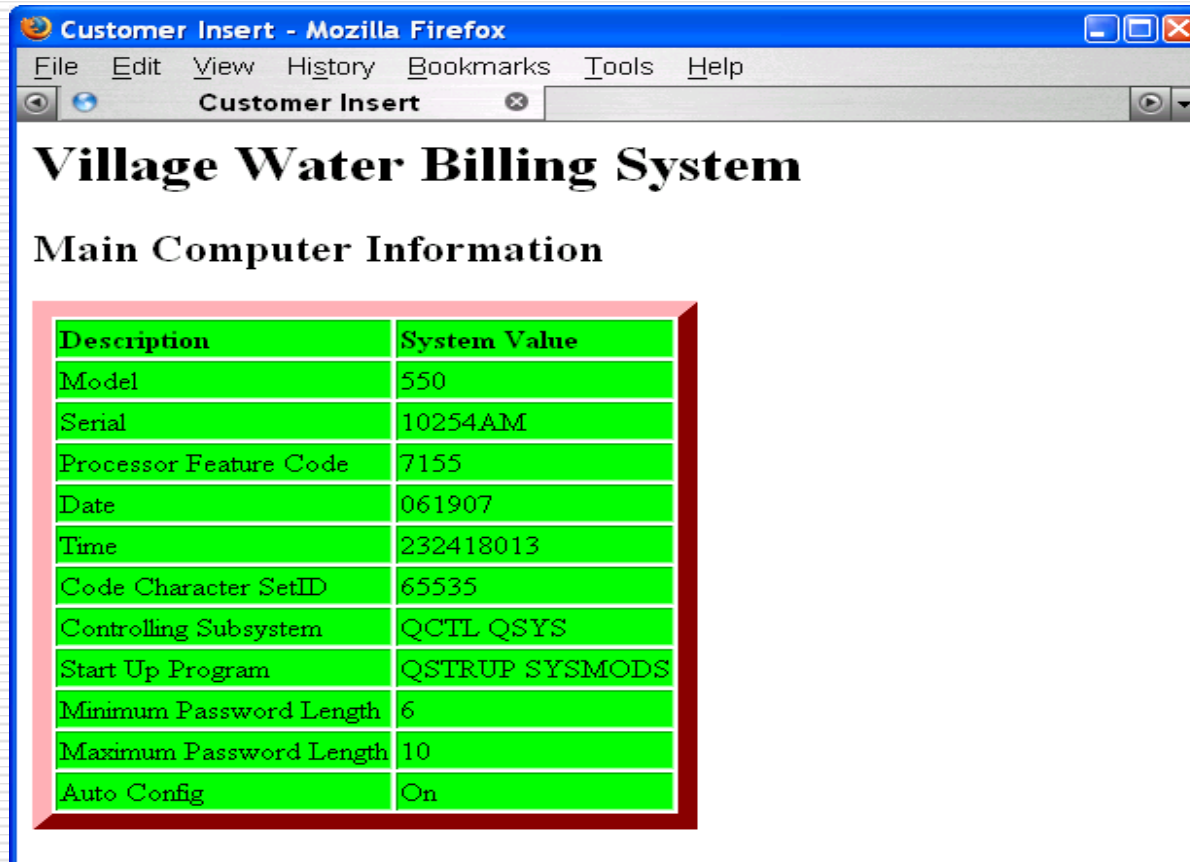
- ❑ Connect to System i
 - ❑ Build Table
 - ❑ Retrieve and Display System Values
 - ❑ Disconnect
-

System Values...why?

- Used to manage day to day operations
- V5R4 =>152 & V6R1=>158
- Used when ordering i5 software or keys
- We will look at:

QMODEL	QCTLSBSD
QSRLNBR	QSTRUPPGM
QPRCFEAT	QPWDMINLEN
QDATE	QPWDMAXLEN
QTIME	QAUTOCFG
QCCSID	

System Values...Display



The screenshot shows a Mozilla Firefox browser window titled "Customer Insert - Mozilla Firefox". The address bar contains "Customer Insert". The main content area displays the title "Village Water Billing System" and a section titled "Main Computer Information". Below this section is a table with two columns: "Description" and "System Value". The table contains the following data:

Description	System Value
Model	550
Serial	10254AM
Processor Feature Code	7155
Date	061907
Time	232418013
Code Character SetID	65535
Controlling Subsystem	QCTL QSYS
Start Up Program	QSTRUP SYSMODS
Minimum Password Length	6
Maximum Password Length	10
Auto Config	On

Code for Page...

See Zend Studio!

Example 4: Data area access

- Connect to System i
 - Use Data Area contents in display
 - Disconnect
-

Data areas in day to day operations

- Popular uses for both static and dynamic
 - Four different data areas
 - Static
 - Named
 - Dynamic
 - *LDA
 - *GDA
 - *PDA
 - We will focus on static
-

Data Area...i5_Connect

```
<?php
$IntLibl=array(I5_OPTIONS_INITLIBL => 'WATERBILL');
$conn = i5_connect("localhost", "UserID", "password",$IntLibl );

if (!$conn)
die("<br>Connection failed. Error number = " . i5_errno() . " msg = " .
i5_errormsg());

?>
```

Data Area...

```
<?php
include("i5db2connectlib.php");

$heading = i5_data_area_read("COMPANY");
if (!$heading)
die("<br>data area read failed.");

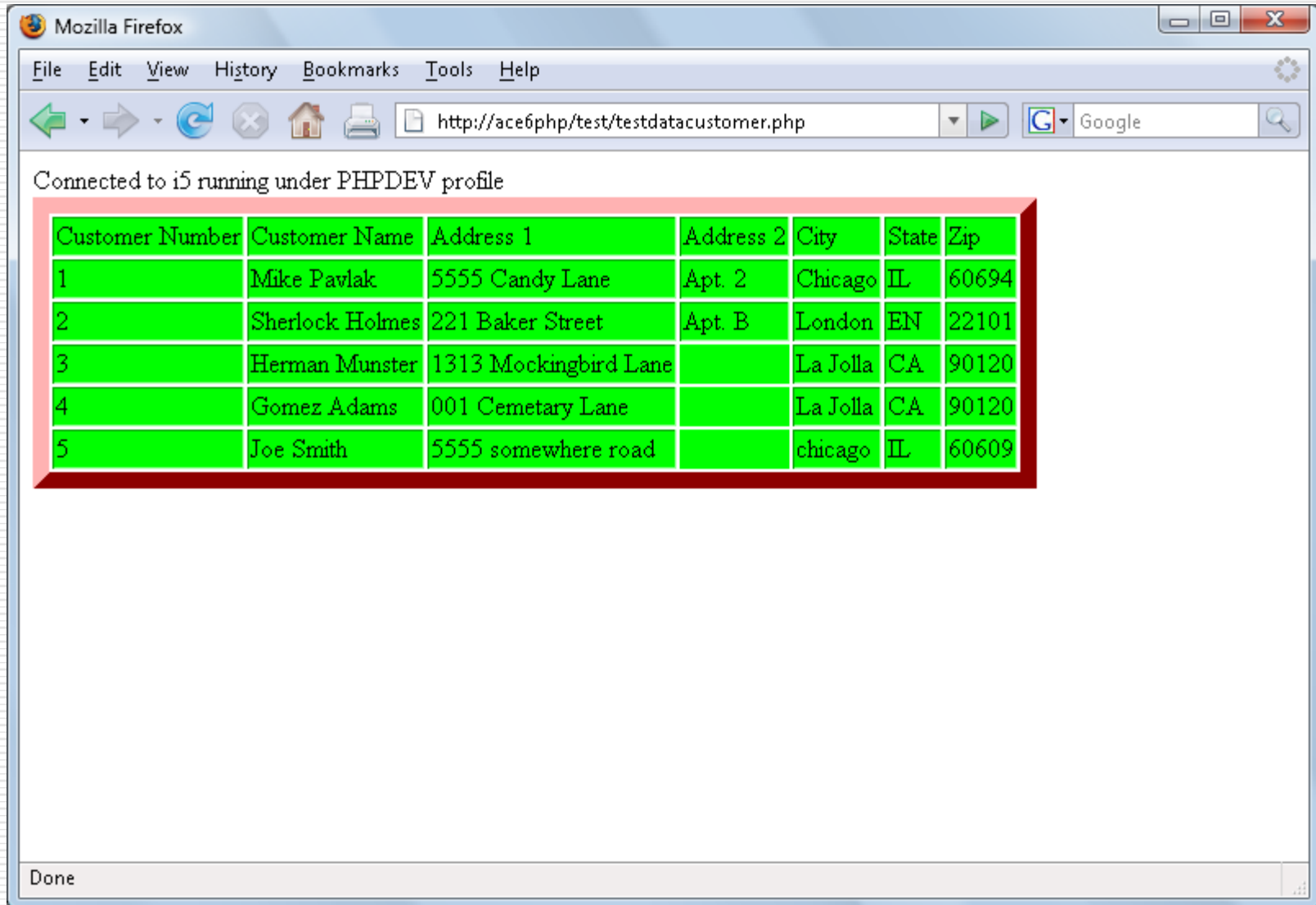
echo "<h1>" . $heading . "</h1>";

i5_close($conn);
?>
```

Example 5: Chart

- ❑ Connect to System i
 - ❑ Collect aggregate data
 - ❑ Glue data to chart class
 - ❑ Display chart
 - ❑ Disconnect
-

Customers...(note zip code)

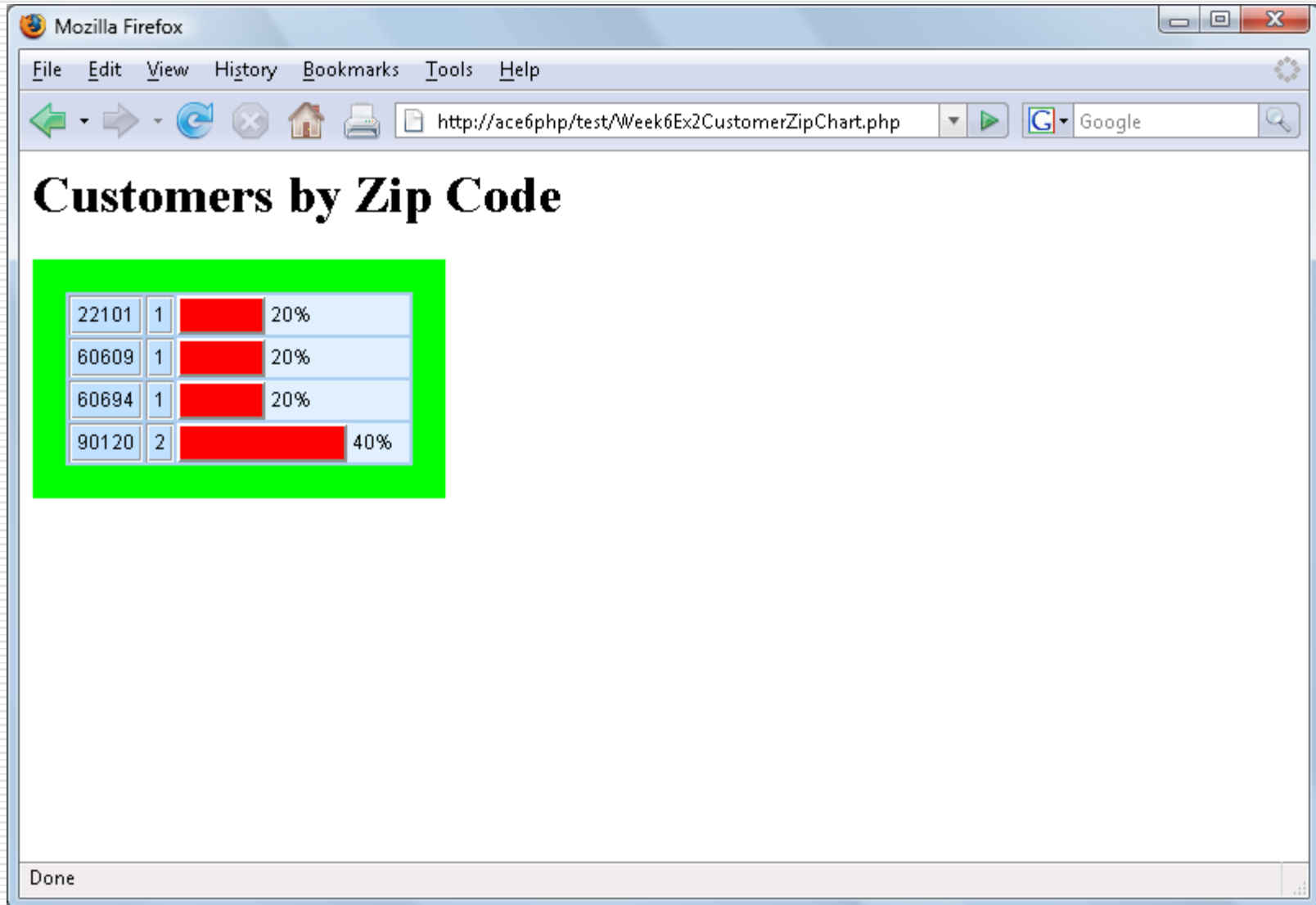


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Done

Invoke chart...



Built from this chart...

HTML-Graphs Example - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://ace6php/test/example.php

This is an example page for HTML-Graphs. Click "Create Graph" and see how the graph looks different each time you change the form fields:

Graph Type: horizontal
Show Values: abs. and %
Values (comma-separated): 123,456,789,987,654,321
Labels (comma-separated): Horses,Dogs,Cats,Birds,Pigs,Cows
Bars Width: 20
Labels Font Size: 12
Values Font Size: 12
Percentage Font Size: 12
Graph Padding: 10

Graph BG Color: #ABCDEF
Graph Border: 1px solid blue
Bars Color: #A0C0F0
Bars BG Color: #E0F0FF
Bars Border: 2px outset white
Labels Color: #000000
Labels BG Color: #C0E0FF
Labels Border: 2px groove white
Values Color: #000000
Values BG Color: #FFFFFF
Values Border: 2px groove white

Reset Create Graph

Graph

Horses	123	4%
Dogs	456	14%
Cats	789	24%
Birds	987	30%
Pigs	654	20%
Cows	321	10%

Code

```
$graph = new BAR_GRAPH("hBar");  
$graph->values = "123,456,789,987,654,321";  
$graph->labels = "Horses,Dogs,Cats,Birds,Pigs,Cows";  
$graph->showValues = 1;  
$graph->barWidth = 20;  
$graph->labelSize = 12;  
$graph->absValuesSize = 12;  
$graph->percValuesSize = 12;  
$graph->graphPadding = 10;  
$graph->graphBGColor = "#ABCDEF";  
$graph->graphBorder = "1px solid blue";  
$graph->barColors = "#A0C0F0";
```

Done

Code for Page...

See Zend Studio!

If time permits...

- Surf for more classes
 - See good stuff in php.net
 - Q&A
-

Resources...

□ Books

- Sam's teach yourself PHP, MySQL and Apache All in One (3rd edition) ISBN:0672328739
- Redbook: **Developing PHP Applications for IBM Data Servers**
- PHP User Guide comes with Zendcore download!

□ Websites:

- Zend.com - Forums
- i5php.net – On-line PHP Manual
- Sourceforge.net – Free applications
- phpclasses.org – Free PHP Classes (Code, not training)