Task 2:

Assumptions:

1. The webserver has been configured correctly to direct the URL specify below to getinfo.php.

2. The Mysql Server has been configured and running.

Please raise at least 10 suggestions/corrections about these codes.

test.html:

<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">

<HTML xmlns:fb="http://www.facebook.com/2008/fbml">

<HEAD>

<SCRIPT SRC="http://code.jquery.com/jquery-1.7.2.js"></SCRIPT>

<script>

<!--//

Get the data using ajax

//-->

$(document).ready(function(){ <!--// should add this line here //-->

$.get(

"/getinfo/111", {}, <!--// should change like this “/ getinfo.php/111 “//-->

function(data) { $('.InfoDiv').html(data); }

);

</script>

</HEAD>

<BODY>

<H1><FONT FACE="verdana" COLOR="green">Welcome</FONT></H1>

<CENTER><DIV CLASS="InfoDiv"></DIV></CENTER>

</BODY>

<DIV ID="fb-root"></DIV>

<SCRIPT></SCRIPT>

</HTML>

getinfo.php:

<?php

require\_once("data.php");

$ArrayURL = split('/', $\_SERVER[REQUEST\_URI])); //should remove one close parentheses bracket.

$id = $ArrayURL[1];

$data = new dataObj(); // should change the name as baseObj

if (is\_object($data) = true) $status = '200 OK'; // should be if (is\_object($data))

$status\_header = 'HTTP/1.1 $status'; //should change like this 'HTTP/1.1 '.$status;

header($status\_header);

return json\_encode( $data->getAll($id) );

?>

data.php:

<?php

class baseObj {

public $mysql = null;

private $table = null;

public function \_\_construct ()

{

$this->mysql = new mysqli("localhost", "user", "password", "database");

if ($this->mysql->connect\_errno) {

echo "Failed to connect to MySQL: (" . $this->mysql->connect\_errno . ") " . $this->mysql->connect\_error;

}

}

public function get ($id, $field)

{

return $this->mysql->query("SELECT $field FROM $table WHERE ID = $id");

}

public function getAll ($id)

{

$res = $this->mysql->query("SELECT \* FROM $table WHERE ID = $id");

return $res->fetch\_assoc();

}

}

class propertyData extends baseObj {

public $id = null;

public $type = null;

public $title = null;

public $address = null;

public $bedroom = null;

public $livingroom = null;

public $diningroom = null;

protected $hdbblock = null;

private $swimmingPool = null;

private $table = 'Property';

public function getType ($ID) { $Type = $this->get( $ID, 'Type'); return $Type; }

public function getTitle ($ID) { $Title = $this->get( $ID, 'Title') ; return $Type;}

public function getAddress ($ID) { $Address = $this->get( $ID, 'Address') ; return $Address;}

public function getBedroom ($ID) { $Bedroom = $this->get( $ID, 'Bedroom') ; return $Bedroom;}

public function getLivingroom ($ID) { $livingroom = $this->get( $ID, 'Living\_room') ; return $livingroom;}

public function getDiningroom ($ID) { $diningroom = $this->get( $ID, 'Diningroom') ; return $diningroom;}

}

class hdbData extends propertyData {

private $table = 'HDB';

public function getHDBBlock ($ID) { $this->hdbblock = $this->get($ID, 'HDBBlock'); return $this->hdbblock; }

}

class condoData extends propertyData {

private $table = 'ConDO';

public function gotSwimmingPool ($ID)

{

return $this->get($ID, 'SwimmingPool');

}

}

?>

\*\* We should pass $table value in aJax function of html file and then should accept this value in getAll($id,$table).

data.sql:

In here we should describe which database will be used. eg. USE test;

And then, we should use the same engine type. If not, we will get encounter.

CREATE TABLE Property (

ID BIGINT AUTO\_INCREMENT PRIMARY KEY,

Type TINYINT default 1,

Title CHAR(255) default '',

Address TEXT NOT NULL,

Bedroom INT default 0,

Living\_room INT default 0,

Diningroom INT default 0,

Size Decimal(6,2) default 0.0

) ENGINE=MyISAM;

CREATE TABLE HDB (

ID BIGINT AUTO\_INCREMENT PRIMARY KEY,

PID BIGINT NOT NULL,

HDBBlock INT NOT NULL,

INDEX idx\_PID (PID),

FOREIGN KEY (PID) REFERENCES Property(ID)

) ENGINE=InnoDB;

CREATE TABLE Condo (

ID BIGINT AUTO\_INCREMENT PRIMARY KEY,

PID INT NOT NULL,

SwimmingPool TINYINT default 0,

INDEX idx\_PID (PID),

FOREIGN KEY (PID) REFERENCES Property(ID)

) ENGINE=InnoDB;

There can be only one auto column and it must be defined as a key.