

staffsearchi1.php

```
<html>
<head>
<title> Welcome to the Dreamhome Website </title>
<body bgcolor="pink">
<p> Simple Staff Count </p>

<?php
$conn_id = mysqli_connect ("cs1.ucc.ie", "CS2501", "CS2501")
    or exit("Login Failed");
mysqli_select_db ($conn_id, "dreamhome");
$result_id = mysqli_query ($conn_id, "select count(*) from staff")
    or exit ("Query Failure - Cannot Access Table");
if ($row = mysqli_fetch_row ($result_id))
    print ("<p> There are currently ".$row[0]. " staff members");
mysqli_free_result ($result_id);
?>

</body>
</html>
```

staffsearchi2.php

```
<html>
<head>
<title> Welcome to the Dreamhome Website </title>
<body bgcolor="pink">
<p> Simple Staff Count </p>

<?php
$server = "cs1.ucc.ie";
$database = "dreamhome";
$username = "CS2501";
$password = "CS2501";

$conn_id = mysqli_connect ($server, $username, $password, $database)
    or exit("Login Failed");
$result_id = mysqli_query ($conn_id, "select count(*) from staff")
    or exit ("Query Failure – Cannot Access Table");
if ($row = mysqli_fetch_row ($result_id))
    print ("<p> There are currently ".$row[0]. " staff members");
mysqli_free_result ($result_id);
?>

</body>
</html>
```

dreamsetupi.php

```
<?php
# This is a common 'include file' that contains functions to:
#   login to MySQL
#   set the look & feel of the page
#   terminate the page

#Connect to the MySQL server using top-secret username & password
function dream_connect ()
{
    $server = "cs1.ucc.ie";
    $database = "dreamhome";
    $username = "CS2501";
    $password = "CS2501";

    $connection =
        mysqli_connect ($server, $username, $password, $database);
    if ($connection)
        return ($connection);
    return (FALSE);
}

#Setup Look & Feel of Page (Title, Header, Fonts, Colours, etc)
function html_begin ($title, $header)
{
    print("<html>\n");
    print("<head>\n");
    if ($title != "")
        print("<title>$title</title>\n");
    print("<head>\n");
    print("<body bgcolor=\"lime\">\n");
    if ($header != "")
        print("<h2>$header</h2>\n");
}
```

```
#Terminate Page Properly
function html_end ()
{
    print ("</body></html>\n");
}

?>
```

staffcounti3.php

```
<?php
# Staff Counting  Version 3

include "dreamsetupi.php";

$title = "Dreamhome Rental Agency";
$headline = "Welcome to the Dreamhome Agency";
html_begin ($title, $headline);
?>

<p>Simple Staff Count</p>

<?php
$conn_id = dream_connect ()
    or exit ();
$result_id = mysqli_query ($conn_id, "select count(*) from staff")
    or exit ();
if ($row = mysqli_fetch_row ($result_id))
    print ("<p> There are " . $row[0]. " staff members");
mysqli_free_result ($result_id);

html_end ();
?>
```

staffsearchi1.php

```
<?php
# Look up all staff members – display STAFF list as HTML table

include "dreamsetupi.php";

$title = "Dreamhome Rental Agency";
$headline = "Staff Listing – Tabular";
html_begin ($title, $headline);

$conn_id = dream_connect ()
    or die ("Cannot connect to server");

# issue query
$query = "select Lname, Fname, Address, Tel_No, Position, Sex,"
        . " DOB, Salary, Bno "
        . "from staff order by Lname";
$result_id = mysqli_query ($conn_id, $query)
    or die ("Cannot execute query");

print("<table>\n");                # begin table
# read & display results of query, then clean up
# ROW_PRINT_LOOP
while ($row = mysqli_fetch_row ($result_id))
{
    print("<tr>\n");                # begin table row

    for ($i = 0; $i < mysqli_num_fields ($result_id); $i++)
    {
        # escape any special characters and print table cell
        printf("<td>%s</td>\n", htmlspecialchars ($row[$i]));
    }
    print("</tr>\n");                # end table row
}
```

```
}  
# ROW_PRINT_LOOP  
print ("</table>\n");          # end table  
  
mysqli_free_result ($result_id);  
  
html_end ();  
?>
```

staffsearchi2.php

```
<?php
# Look up all staff members – display STAFF list in non-tabular
# (linear) form

include "dreamsetupi.php";

$title = "Dreamhome Rental Agency";
$headline = "Staff Listing – Linear";
html_begin ($title, $headline);

$conn_id = dream_connect ()
    or die ("Cannot connect to server");

# issue query
$query = "select Lname, Fname, Address, Tel_No, Position, Sex, "
        . "DOB, Salary, Bno "
        . "from staff order by Lname";
$result_id = mysqli_query ($conn_id, $query)
    or die ("Cannot execute query");

# beginning of changed block
# read & display results of query, then clean up
# DATA_PRINT_LOOP
while ($row = mysqli_fetch_assoc ($result_id))
{
    print("<b>Last Name: </b>");
    printf ("%s<br>", htmlspecialchars($row["Lname"]));
    print("<b>First Name: </b>");
    printf ("%s<br>", htmlspecialchars($row["Fname"]));
    print("<b>Address: </b>");
    printf ("%s<br>", htmlspecialchars($row["Address"]));
    print("<b>Telephone: </b>");
```



```

        printf ("%s<br>", htmlspecialchars($row["Tel_No"]));
        print("<b>Occupation: </b>");
        printf ("%s<br>", htmlspecialchars($row["Position"]));
        print("<b>Date of Birth: </b>");
        printf ("%s<br>", htmlspecialchars($row["DOB"]));
        print("<b>Salary: </b>");
        printf ("%s<br>", htmlspecialchars($row["Salary"]));
        print("<b>Branch: </b>");
        printf ("%s<br>", htmlspecialchars($row["Bno"]));
        print("<br><br>\n");
    }
# DATA_PRINT_LOOP
# end of changed block

mysqli_free_result ($result_id);

html_end ();
?>

```

staff_by_branchi1.php

```
<?php
# Display staff of a user-specified branch

include "dreamsetupi.php";

$title = "Dreamhome Rental Agency";
$headline = "Staff Search (By Branch)";
html_begin ($title, $headline);

?>

<form name= "BranchIdentify" method="GET" action="browsebranchi.php">
Branch Number: <input type="text" name="branchnum"><p>
<input type="submit" value="Accept Branch Id">
</form>

<?php
html_end ();
?>
```

browsebranchi.php

```
<?php
$branchnum = $_GET['branchnum'];
# issue query

include "dreamsetupi.php";

$title = "Dreamhome Rental Agency";
$headline = "Staff Search (By Branch)";
html_begin($title, $headline);

$conn_id = dream_connect()
    or die ("cannot connect to server");

$query = "select Lname, Fname, Address, Tel_No, Position, Sex, DOB,
Salary "
."from staff where Bno = '$branchnum' order by Lname";
$result_id = mysqli_query ($conn_id, $query)
    or die ("Cannot execute query");

# read & display results of query, then clean up
# DATA_PRINT_LOOP
while ($row = mysqli_fetch_assoc ($result_id))
{
    print("<b>Last Name: </b>");
    printf ("%s<br>", $row["Lname"]);
    print("<b>First Name: </b>");
    printf ("%s<br>", $row["Fname"]);
    print("<b>Address: </b>");
    printf ("%s<br>", $row["Address"]);
    print("<b>Telephone: </b>");
    printf ("%s<br>", $row["Tel_No"]);
}
```

```
        print("<b>Occupation: </b>");
        printf("%s<br>", $row["Position"]);
        print("<b>Date of Birth: </b>");
        printf("%s<br>", $row["DOB"]);
        print("<b>Salary: </b>");
        printf("%s<br>", $row["Salary"]);
        print("<br><br>\n");
    }
# DATA_PRINT_LOOP

mysqli_free_result ($result_id);

?>
```

staff_by_branchi2.php

```
<?php
# Display staff of a user-selectable branch

include "dreamsetupi.php";

$title = "Welcome to the Dreamhome Website";
$headline = "Staff by Branch";
html_begin ($title, $headline);

$conn_id = dream_connect ()
    or die ("Cannot connect to server");

# fetch and record branch identifiers and location details
$query = "select Bno from branch order by Bno";
$branchquery = mysqli_query ($conn_id, $query)
    or die ("Cannot find branch identifiers");

$i = 0;
while ($row = mysqli_fetch_row ($branchquery))
{
    $branchlist[$i] = $row[0];
    $i++;
}
mysqli_free_result ($branchquery);

?>
```

```
<form name="BranchChoose" method="GET" action="browsebranchi.php">
```

Branch Identifier:

```
<select name="branchnum">
```

```
<?php
```

```
foreach($branchlist as $bid)
```

```
{
```

```
    print("<option value=\"{$bid}\"> $bid </option\n>");
```

```
}
```

```
?>
```

```
</select>
```

```
<br>
```

```
<input type="submit" name="SubmitVal" value="Show All">
```

```
</form>
```

```
<?php
```

```
html_end ();
```

```
?>
```

property_searchi1.php

```
<?php
# Search for a property of a specified in a specified city

include "dreamsetupi.php";

$title = "Dreamhome Rental Agency";
$headline = "Property Search (By City/Type)";
html_begin ($title, $headline);

?>

<form name= "PropertySpecify" method="GET" action="browsepropsi.php">
City: <input type="text" name="cityval"><p><p>
Property Type: <input type="text" name="proptype"><p><p>
<input type="submit" value="Search Properties">
</form>

<?php
html_end ();
?>
```

browsepropsi.php

```
<?php
# browseprops.php - display the details of selected properties

$searchcity = $_GET['cityval'];
$searchtype = $_GET['proptype'];

include "dreamsetupi.php";

$title = "Dreamhome Rental Agency";
$headline = "Property Search (By City/Type)";
html_begin($title, $headline);

$conn_id = dream_connect()
    or die ("cannot connect to server");

$query = "select CONCAT(Street, ', ', Area, ', ', Pcode) AS Address,"
. " Rooms, Rent from property_for_rent where city = '$searchcity'"
. " and type = '$searchtype'";

$result_id = mysqli_query ($conn_id, $query)
    or die ("Cannot execute query" .mysql_error());
```



```

# read & display results of query, then clean up
# DATA_PRINT_LOOP
while ($row = mysqlI_fetch_assoc ($result_id))
{
    print("<b>Location: </b>");
    printf ("%s<br>", $row["Address"]);
    print("<b>No. of Rooms: </b>");
    printf ("%s<br>", $row["Rooms"]);
    print("<b>Monthly Rent: </b>");
    printf ("%s<br>", $row["Rent"]);
    print("<p><p><p>");
}
# DATA_PRINT_LOOP
mysql_free_result ($result_id);
?>

```