

```

<html>
<head><title>offices_SEL_cntl.php</title></head>
<body>
  <h3> elenco offices per territorio </h3>
<?php
  include 'conn_classicmodels.php';
  include 'cntl_SEL_DML.php';

  $tab = "offices";
  $sql = "SELECT officeCode, city, country, territory";
  $sql .= " FROM $tab ";
  $sql .= " ORDER BY territory, city;";

  $result = mysqli_query ( $conn , $sql );

  cntl_num_rows ( $conn,"estratta", $result, $tab);
?>
<table border="1">
  <tr> <th>offCode</th> <th>city</th>
    <th>coutry</th> <th>territory</th> </tr>
<?php
  while ( $row = mysqli_fetch_assoc ( $result ) ) {
    echo "<tr>";
    echo "<td>" . $row['officeCode'] . "</td>";
    echo "<td>" . $row['city'] . "</td>";
    echo "<td>" . $row['country'] . "</td>";
    echo "<td>" . $row['territory'] . "</td>";
    echo "</tr> \n";
  }
  mysqli_free_result ( $result );
  mysqli_close ( $conn );
?>
</table></body></html>

```

### conn\_classicmodels.php

```

<?php
  mysqli_report (MYSQLI_REPORT_ERROR);
  $host      = "localhost";
  $username  = "root";
  $password  = ""; //--- oppure "root"
  $db_nome   = "classicmodels";

  $conn = mysqli_connect ($host, $username, $password, $db_nome); )
  //--- se mysqli_connect restituisce false, NOT false = TRUE

  if ( mysqli_connect_errno ( ) ) //---oppure ( !$conn )
    exit ("<br>Impossibile connettersi al server: ". mysqli_connect_error( ) );
?>
-----
https://www.php.net/manual/en/mysqli.affected-rows.php

mysqli_affected_rows ( $conn )
Returns
An integer greater than zero indicates the number of rows affected or retrieved.
Zero indicates that no records were updated for an UPDATE statement,
no rows matched the WHERE clause in the query or that
no query has yet been executed.
-1 indicates that the query returned an error

https://www.php.net/manual/en/mysqli-result.num-rows.php

mysqli_num_rows ( $result )
Returns the number of rows in the result set.

```

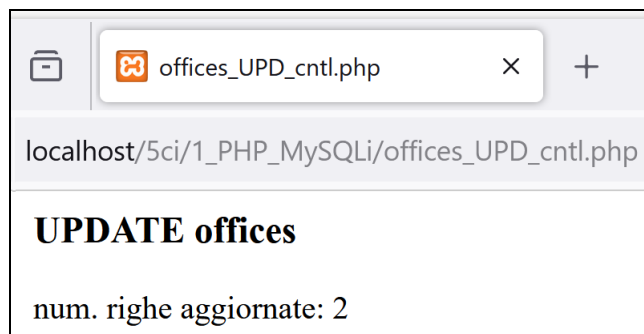
## offices\_UPD\_cntl.php

```
<html> <head><title>offices_UPD_cntl.php</title></head>
<body><h3>UPDATE offices</h3>
<?php
include 'conn_classicmodels.php';
include 'cntl_SEL_DML.php';
$sql = "UPDATE offices SET ";
$sql .= " phone = '0789-52682' , ";
$sql .= " postalcode = '00110' ";
$sql .= " WHERE officeCode > 320; ";
//--- echo $sql . "<br>\n<br>\n";

mysqli_query ( $conn , $sql );

cntl_aff_rows ( $conn , "aggiorna" );

mysqli_close($conn);
?>
```



## cntl\_SEL\_DML.php

```
<?php
function cntl_num_rows ( $conn , $frase , $result , $tab ) {
    if ( ! $result ) { //--- se restituisce false, NOT false = TRUE
        echo "<br>ERRORE MySQL; errorCode : " . mysqli_errno($conn);
        exit ( " in cntl_num_rows(..) : <br>" . mysqli_error($conn) );
    }
    if ( mysqli_num_rows ( $result ) == 0 )
        exit ( "nessuna riga $frase dalla tabella $tab" );
}

function cntl_aff_rows ( $conn , $frase ) {

    $numAff = mysqli_affected_rows ( $conn );

    if ( $numAff == -1 ) {
        echo "<br>ERRORE MySQL; errorCode : " . mysqli_errno ( $conn );
        exit ( " in cntl_aff_rows(..) : <br>" . mysqli_error ( $conn ) );
    }
    else
        if ( $numAff > 0 )
            echo "num. righe $frase" . "te: " . $numAff;
        else //-- ($numAff == 0)
            echo "nessuna riga $frase" . "ta ";
    }
?>
```

## offices\_INS\_cnl.php

```

<html> <head><title>offices_INS_cnl.php</title></head>
<body><h3>INSERT offices</h3>
<?php
include 'conn_classicmodels.php';
include 'cntl_SEL_DML.php';

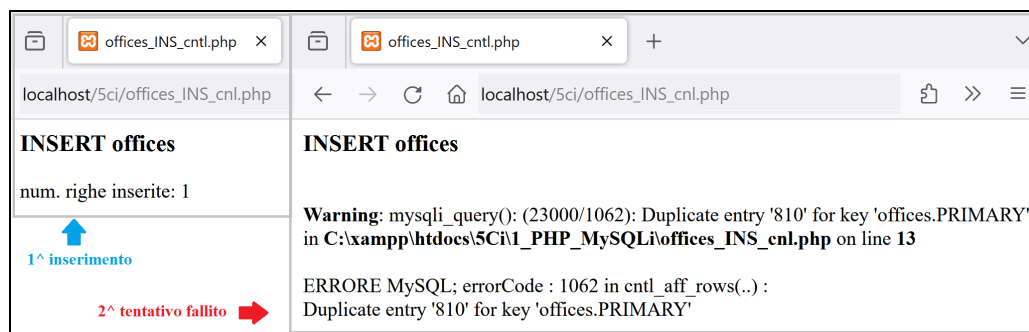
$sql = "INSERT INTO offices VALUES ";
$sql .= ' ("810", "Venezia", "041-9977", "ponte rialto 3", ' ;
$sql .= ' NULL , NULL , "Italy" , "30100" , "EMEA" ); ' ;
//--- echo $sql . "<br>\n<br>\n";

mysqli_query ( $conn , $sql ); //--- restituisce false o true

cntl_aff_rows ( $conn , "inseri" );

mysqli_close($conn);
?>

```



Al 1^ inserimento dell'officeCode 810, la funzione `cntl_aff_rows(..)` rileva il corretto inserimento della riga; al 2^ tentativo la funzione `mysqli_query` segnala solo un Warning (perché alla connessione la modalità di segnalazioni degli errori è stata impostata solo al ERROR) ma la funz. `cntl_aff_rows(..)` intercetta l'errore (`$numAff == -1`) e lo script chiude l'elaborazione (`exit`).

## offices\_DEL\_cnl.php

```

<html> <head><title>offices_DEL_cnl.php</title></head>
<body><h3>DELETE offices</h3>
<?php
include 'conn_classicmodels.php';
include 'cntl_SEL_DML.php';

$sql = "SELECT * FROM offices ";
$sql .= "WHERE officeCode IN (440 , 810)";

mysqli_query ( $conn , $sql );

cntl_aff_rows ( $conn , "seleziona" );

echo "<br>\n<br>\n";

$sql = "DELETE FROM offices ";
$sql .= "WHERE officeCode IN (440 , 810)";

mysqli_query ( $conn , $sql );

cntl_aff_rows ( $conn , "cancella" );

mysqli_close($conn);
?>

```

Questo script, prima cerca (con SELECT) gli officeCode che si appresta ad eliminare, poi tenta la cancellazione (DELETE) delle 2 righe di chiave 440 e 810. Ma per entrambe le operazioni una sola riga soddisfa la condizione: quella con chiave (PK) 810.

