

CFL MINI PROJECT

Aim:- Write a program to take backup of a MySQL database.

Code:-

```
<?php
//ENTER THE RELEVANT INFO BELOW
$mysqlUserName      = "root";
$mysqlPassword      = "";
$mysqlHostName      = "localhost";
$dbName             = "mobile";
$backup_name        = "sanket.sql";
$tables              = array("mobiletable");

Export_Database($mysqlHostName,$mysqlUserName,$mysqlPassword,$dbName, $ta
bles=false, $backup_name=false );

function Export_Database($host,$user,$pass,$name, $tables=false,
$backup_name=false )
{
    $mysqli = new mysqli($host,$user,$pass,$name);
    $mysqli->select_db($name);
    $mysqli->query("SET NAMES 'utf8'");

    $queryTables     = $mysqli->query('SHOW TABLES');
    while($row = $queryTables->fetch_row())
    {
        $target_tables[] = $row[0];
    }
    if($tables !== false)
    {
        $target_tables = array_intersect( $target_tables, $tables);
    }
    foreach($target_tables as $table)
    {
        $result          = $mysqli->query('SELECT * FROM '.$table);
        $fields_amount   = $result->field_count;
        $rows_num=$mysqli->affected_rows;
        $res              = $mysqli->query('SHOW CREATE TABLE '.$table);
        $TableMLine       = $res->fetch_row();
        $content          = (!isset($content) ? '' : $content) .
"\n\n".$TableMLine[1].";\n\n";

        for ($i = 0, $st_counter = 0; $i < $fields_amount; $i++,
$st_counter=0)
        {
            while($row = $result->fetch_row())
```

```

        { //when started (and every after 100 command cycle):
            if ($st_counter%100 == 0 || $st_counter == 0 )
            {
                $content .= "\nINSERT INTO ".$table." VALUES";
            }
            $content .= "\n(";
            for($j=0; $j<$fields_amount; $j++)
            {
                $row[$j] = str_replace("\n","\n",
addslashes($row[$j]) );
                if (isset($row[$j]))
                {
                    $content .= "'".$row[$j]."' ";
                }
                else
                {
                    $content .= '""';
                }
                if ($j<($fields_amount-1))
                {
                    $content.= ',';
                }
            }
            $content .=")";
            //every after 100 command cycle [or at last line] ....p.s.
but should be inserted 1 cycle eariler
            if ( (($st_counter+1)%100==0 && $st_counter!=0) ||
$st_counter+1==$rows_num)
            {
                $content .= ";";
            }
            else
            {
                $content .= ",";
            }
            $st_counter=$st_counter+1;
        }
    } $content .="\n\n\n";
}

//$backup_name = $backup_name ? $backup_name : $name."__(".date('H-i-
s')."_".date('d-m-Y').")__rand".rand(1,11111111).".sql";
$date = date("Y-m-d");
$backup_name = $backup_name ? $backup_name : $name.".$date.sql";
header('Content-Type: application/octet-stream');
header("Content-Transfer-Encoding: Binary");
header("Content-disposition: attachment;
filename=\"".$backup_name."\"");
echo $content; exit;

```

}

?>

		Brand	Model Detail	Price	Weight grams
<input type="checkbox"/>	Edit Copy Delete	Redmi	5 pro	15000	150
<input type="checkbox"/>	Edit Copy Delete	Apple	iPhone 14	100000	205
<input type="checkbox"/>	Edit Copy Delete	MI	Note 11	20000	199

OUTPUT:-

```
Sanket cfl.php  mobile.2022-09-30.sql X
C: > Users > micha > Downloads > mobile.2022-09-30.sql
1
2
3 CREATE TABLE `mobiletable` (
4   `Brand` varchar(20) NOT NULL,
5   `Model Detail` varchar(20) NOT NULL,
6   `Price` int(10) NOT NULL,
7   `Weight grams` int(5) NOT NULL,
8   PRIMARY KEY (`Model Detail`)
9 ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
10
11
12 INSERT INTO mobiletable VALUES
13 ("Redmi","5 pro","15000","150"),
14 ("Apple","iPhone 14","100000","205"),
15 ("MI","Note 11","20000","199");
16
17
18
```