```
Verknüpfung von Bedingungen
 M151 Mirio Eggmann

    Verbindung-aufbauen¶

                                                                  SELECT * FROM personen
Daten modifizieren
                                                                                                                                                         Hinweis: \rightarrow Der \cdot Pfad \cdot von \cdot mysql. exe \cdot muss \cdot in \cdot der \cdot Umgebungsvariablen \cdot PATH \cdot von \cdot Windows \cdot vor handen \cdot PATH \cdot von \cdot Windows \cdot vor handen \cdot PATH \cdot von \cdot Windows \cdot vor handen \cdot PATH \cdot von \cdot Windows \cdot vor handen \cdot Von \cdot 
                                                                  WHERE iahrealt > 18 AND iahrealt < 30:
                                                                                                                                                                          sein, ansonsten-müssen-Sie-ins-Verzeichnis-C:\xampp\mysql\bin-wechseln, -um-mysql.exe-auf-
UPDATE personer
SET hobbles - ,Musik, Kino, Sport'
                                                                  SELECT * FROM personen
                                                                                                                                                                          rufen zu können. → ¶
WHERE vorname - ,Anna' AND nachn

    MySQL-Verbindung-beenden

                                                                  WHERE jahrealt < 20 OR jahrealt > 40;
                                                                                                                                                          Set-PATH=%PATH%;C:\xampp\mysql\bin¶
UPDATE personen
                                                                  SELECT * FROM personen
                                                                                                                                                                                                                                                                           mysql>-quit;¶
SET hobbles - ,Segeln, Sport, Essen'
                                                                                                                                                                  C:\>mysql--h-localhost--u-root--p¶
                                                                  WHERE NOT ort = ,Zürich' AND jahrealt < 30;
WHERE vorname-, John' AND nachna
                                                                                                                                                      Tabellen anzeigen
                                                                                                                                                                                                                                  Gruppierung
                                                                                                                                                                                   Datenbank erstellen
                                                                  SELECT * FROM personer
  Spalte entfernen
                                                                                                                                                     SHOW TABLES:
                                                                  WHERE ort = ,Zürich' OR ( ort = ,Bern' AND jahrealt < 30)
                                                                                                                                                                                                                                   SELECT ort,COUNT(ort) AS ,Anzahl' FROM personen
                                                                                                                                                                                   CREATE DATABASE db test
  ALTER TABLE personen DROP jahrealt
                                                                                                                                                                                                                                   GROUP BY ort:
                                                                    Type
                                                                                                         Hull I Key I Default ! Estra
                                                                                                                                                                                 Tabellenstruktur anzeigen
      Tabelle löschen
                                                                                                                                                                                                                                   SELECT ort, COUNT(ort) AS ,Anzahl' FROM personen
                                                                                                                                                                                 DESCRIBE personen
                                                                                                                                                                                                                                  GROUP BY ort
      DROP TABLE personen
                                                                                                                                                                                                                                   HAVING Anzahl >= 2 :
                                                                                                                                                                                                 Datenbanken auflisten
                                                            in not (H.82 noc)
                                                                                                                                                                                                                                               Tabelle personen anpassen
                                                                                                                                                                                                SHOW DATABASES:
                                                                                                                                                                                                                                                UPDATE personen
                                                 Datestyp einer Spalte ändern
                                                                                                                                                                       Anzahl der Datensätze ermitteln
                                                                                                                                                                                                                                                SET ort='1'
                                                 ALTER TABLE personen MODIFY vorsame VARCHAR(20);
ALTER TABLE personen MODIFY nachname VARCHAR(20);
                                                                                                                                                                                                                                                WHERE ort= .Bern':
                                                                                                                                                                         ELECT COUNT(*) AS ,Anzahl FROM personen;
                                                                                                                                                                                                                                                UPDATE personen
                           Benutzer erstellen
                                                                                                                                           Summierung und Durchschnitt
                                                                                                                                                                                                                                                SET ort='2'
                           Benutzer auflisten: SELECT * FROM mysql.user; OR desc mysql.user;
                                                                                                                                           SELECT SUM(jahrealt) AS ,Alterssummer FROM personen;
                                                                                                                                                                                                                                               WHERE ort='Zürich':
                           CREATE USER ,gibbix'@'localhost' IDENTIFIED BY ,gibbiX12345';
                                                                                                                                                                                                                                               ALTER TABLE personen MODIFY ort TINYINT(4);
                                                                                                                                           SELECT AVG(jahrealt) AS ,Altersdurchschnitt' FROM personen;
                                                                                                                                                                                                                                                                 Tabelle erstellen
                               Daten einfügen
                                                                                                                        Abfrage mit Platzhaltern
                                                                                                                                                                                                                                                                  REATE TABLE personen
                                INSERT INTO personen [id, vorname, nachname, jahrealt, ort
                                                                                                                        SELECT * FROM personen
                                VALUES
                                                                                                                        ",%Musik%, WHERE hobbies LIKE
                                                                                                                                                                                                                                                                 id INT NOT NULL AUTO_INCREMENT,
                               (1,'Anna','Meier',19,'Bern'),
                                                                                                                        SELECT * FROM personen
                                                                                                                                                                                                                                                                 vorname VARCHAR(10),
                                (2, 'lohn', 'Meyer', 48, 'Bern'),
                                                                                                                                                                                                                                                                 nachname VARCHAR(10),
                                (3,'Kevin','Müller',25,'Zürich');
                                                                                                                        WHERE nachname LIKE ,Me_er'; <--- grundsätzlich nicht ganz korrekt (nicht nur i/y)
                                                                                                                                                                                                                                                                 ort VARCHAR(30),
                                                 Sortierung
                                                                                                                       Benennung von Spalten
                                                                                                                                                                                                                                                                 iahrealt INT.
                                                                                                                                                                                                                                                                 PRIMARY KEY(id)
                                                                                           Abfragen ers SELECT id, vorname, nachname, ort, jahrealt AS ,alter', hobbies FROM personen;
                                                 SELECT * FROM personen
                                                 ORDER BY jahrealt asc;
                                                 SELECT * FROM personen
                                                                                           SELECT * FROM personen;
                                                                                                                                                                                                                                         Einfache Abfrage mit Herausfiltern von Duplikaten
                                                                                                                                                                ALTER TABLE personen ADD hobbles VARCHAR(100)
                                                  ORDER BY jahrealt desc;
                                                                                            SELECT vorname, nachname FROM personen
                                                                                                                                                                                                                                         SELECT ort FROM personen:
                                                                                                                                                                                                                                         SELECT DISTINCT(ort) FROM personen;
                                      Minimal- und Maximalwert
                                                                                                                                                                                                                                                                       Abtrage mit Bedingung
                                      SELECT * FROM personen
                                                                                                                                                                 Daten löschen
                                      WHERE jahrealt = (SELECT MIN(jahrealt) FROM personen); ← wäre für die person.
                                                                                                                                                                                                                                                                       SELECT * FROM personer
                                                                                                                                                                 DELETE FROM personen
                                                                                                                                                                                                                                                                       wiirnr id - 1:
                                                                                                                                                                  WHERE vorname='kevin' AND nachname='müller';
                                       SELECT MIN(jahrealt) AS ,Jüngste' FROM personen;
                                                                                                                                                                                                                                                                       SELECT * HIOM personen
                                                                                                                                                                 INSERT INTO personen (id, vorname, nachname, jahrealt, ort, hobbies
                                      SELECT MAX(jahrealt) AS ,Älteste' FROM personen;
                                                                                                                                                                                                                                                                       WISERE ort - Hern's
                                                                                                                                                                 VALUES
                                                                                                                                                                                                                                                                       SELECT * FROM personen
                                                                                                                                                                 (3, 'Kevin', 'Müller', 25, 'Zürich', 'Musik, Freunde, Ausgang');
                                                                                                                                                                                                                                                                        HERE Jahrealt BETWEEN 18 AND 30
                                                                                                                   script src="https://code.jquery.com/jquery-2.1.1.min.js"></script>
                                                 >= $firstPic) {
($firstPic < $lastPic) {
    array_push($photosDisplay, $photo);
}
                                           ($i
                                                                                                                  <script src="/views/javascripts/materialize.js"></script>
                                                                                                                  <script src="/views/javascripts/init.js"></script>
                                                   $firstPic
                                                                                                                  cdiv class="hiddendiv common">c/div>
                                                                                                                  <div class="drag-target"</pre>
                                                                                                                     style="touch-action: pan-y; -webkit-user-drag: none; -webkit-tap-highlight-color: rgba(0, 0, 0, 0); left: 0px;"></div>
                             chtml lang="en">
                                                                                                                                                                      Spage = 1;
                                                                                                                                                                                         if (isset ( $_GET ['page'] ) && $_GET['page'] * 12 - 12 <= count($photos)) {
                               meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
                                                                                                                                                                                                $page = $_GET['page'];
                               meta name="viewport
                               content="width=device-width, initial-scale=1, maximum-scale=1.0">
                              title><?php echp Stitle ?></title>
                                                                                                                                                            div class="row">
                             «link href="https://fonts.googleapis.com/icon?family=Material+Icons"
                                                                                                                                                               <form action="login/doLogin" method="post" autocomplete="off"</pre>
                               rel="stylesheet">
                                                                                                                                                                  class="col s12 m12 18">
                              link href="/views/stylesheets/materialize.min.css" type="text/css"
                                                                                                                                                                  <div class="row">
                                  rel="stylesheet" media="screen,projection">
                                                                                                                                                                      <div class="input-field col s12">
                              clink href="/views/stylesheets/style.css" type="text/css" rel="stylesheet"
                                                                                                                                                                         cinput value="c?php echo $email; ?>" id="email" name="email"
                                  media="screen,projection">
                             </head>
                                                                                                                                                                            type="text" class="validate"> <label for="email">Email or Username</label>
                                                                                                                                                                      c/divs
                                                                                                                                                                  </div>
        ofens of (count(Spheros) + 411 by
                                                                                                                                                                  <div class="row">
             offer classic out all set 10%
                                                                                                                                                                      <div class="input-field col s12">
                  signs foresch Elements as demonsts its
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                        offic class-"out on set It's
                             ea brofy"/photo/index/cryto scho Katoto-radi fy"s
                                                                                                                                                                             class="validate"> <label for="password">Password</label>
                                   oth class bard's
                                                                                                                                                                     </div>
                                         only classe" cord-inspe" >
                                                                                                                                                                  </div>
                                                                                                                                                                  <div class="row">
                                                    arcs*../../osertomes/clump actio autoto-poset 16, 3)/thunbratts/clump a
                                              some class-"card-title" rotume
                                                                                                                                                                      <div class="input-field col s12">
                                                                                                                                                                         cbutton class="btn waves-effect blue" type="submit" id="login"
                                   Aldin
                             1761
                                                                                                                                                                            name="login">Login</button>
                        CHENN
                                                                                                                                                                          or <a class="" href="../register"">Register
                  olyng andforeact; 7)
                                                                                                                                                                         5/a>
       sipho slas: to
                                                                                                                                                                      </div>
            only classe onl all so ly's
                                                                                                                                                                  «/div>
                  conflore are no photos at the time. Jon
                                                                                                                                                              </form>
                                                                                                                                                             /div>
```

```
public function create($firstName, $lastName, $userName, $email, $password) {
                                                                                                                                                                      class ConnectionHandler(
    $password = password_hash ( $password, PASSWORD_BCRYPT );
                                                                                                                                                                        private static $connection = null;
    $query = "INSERT INTO $this->tableName (firstName, lastName, userName, email, password) VALUES (?, ?, ?, ?, ?)";
                                                                                                                                                                        public static function getConnection(){
    $statement = ConnectionHandler::getConnection ()->prepare ( $query );
                                                                                                                                                                          if (self::Sconnection === null) {
    $statement->bind_param ( 'sssss', $firstName, $lastName, $userName, $email, $password );
                                                                                                                                                                             $config = require('config.php');
    if (! Sstatement->execute ()) {
                                                                                                                                                                                           = $config['database']['host'];
      throw new Exception ( $statement->error ); }}
                                                                                                                                                                              $username = $config['database']['username'];
                                                                                                                                                                              $password = $config['database']['password'];
               public function isUserLoggedIn() {
                                                                                                                                                                              $database = $config['database']['database'];
                    if (session status() == PHP SESSION NONE) {
                                                                                                                                                                              self::$connection = new MySQLi($host, $username, $password, $database);
                          session_start();
                                                                                                                                                                             if (self::%connection->connect error) (
                     if (isset ( $_SESSION ['loggedIn'] ) && $_SESSION ['loggedIn'] == true) {
                                                                                                                                                                                Serror = self::Sconnection->connect error:
                          Stime = time();
                                                                                                                                                                                throw new Exception("Verbindungsfehler: Serror"); )
                          $timeout_duration = 1800;
                                                                                                                                                                             self::$connection->set_charset('utf8'); }
                          $sessionid_update_duration = 600;
                          if (isset(%_SESSION['lastActivity']) && ($time - $_SESSION['lastActivity']) > $timeout_duration) {
                                                                                                                                                                          return self::Sconnection;
                                session unset():
                                setcookie(session name(), "", 1):
                               setcookie(session_name(), false);
                                unset($_COOKIE[session_name()]);
                                session_destroy();
                                                                                                                                                                                    ublic function readById($id) {
                                return false;
                                                                                                                                                                                             Squery = "SELECT * FROM Sthis->tableName WHERE id=?";
                          if (isset($_SESSION['lastSessionUpdate']) &&
                                                                                                                                                                                             $statement = ConnectionHandler::getConnection()->prepare($query);
                            ($time - $_SESSION['lastSessionUpdate']) > $sessionid_update_duration) {
                                                                                                                                                                                              $statement->bind_param('i', $id);
                                session_regenerate_id();
                                                                                                                                                                                              $statement->execute();
                                $_SESSION['lastSessionUpdate'] = $time;
                                                                                                                                                                                              $result = $statement->get_result();
                          $_SESSION['lastActivity'] = $time;
                                                                                                                                                                                             if (!$result) {
                          return true:
                                                                                                                                                                                                  throw new Exception($result->error);
                     } else {
                                                                                                                                                                                              $row = $result->fetch_object();
                          return false:
                                                                                                                                                                                              $result->close();
                                                            <?php
                                                                                                                                                                                             return $row; }
                                                            class FileService {
                                                                public function createUsereHome(SuserId) {
                                                                                                                                                                               lic function delete8yId($id) {
                                                                      if (!file_exists('./userHomes/'.SuserId)) {
                                                                                                                                                                                     $query = "DELETE FROM $this->tableName WHERE id=?";
                                                                           mkdir('./userHomes/'.SuserId.'/photos', 8777, true);
                                                                                                                                                                                     $statement = ConnectionHandler::getConnection()->prepare($query);
                                                                            mkdir('./userHomes/'.$userId.'/thumbnails', 0777, true);
                                                                                                                                                                                     Sstatement->bind param('i', Sid):
                                                                public function delete(Spath)
                                                                                                            1
                                                                                                                                                                                     if (!$statement->execute()) {} }
                                                                      if (is_dir($path) === true)
                                                                           $files = array_diff(scandir($path), array('.', '..'));
                                                                                                                                                                                ublic function readPasswordByEmail($email)
                                                                            foreach ($files as $file)
                                                                                                                                                                                   $query = "SELECT password FROM $this->tableName WHERE email=?";
                                                                               Sthis->delete(realpath(Spath) . '/' . Sfile):
                                                                                                                                                                                   $statement = ConnectionHandler::getConnection ()->prepare ( Squery );
                                                                           return rmdir($path); }
                                                                                                                                                                                   $statement->bind_param ( 's', $email );
                                                                      else if (is_file($path) === true)
                                                                                                                                                                                   $statement->execute ();
                                                                           return unlink($path);
                                                                                                                                                                                   $result = $statement->get_result();
                                                                      return false;
                                                                                                                                                                                   $row = $result->fetch_assoc();
                                                                    blic function deleteFile(Spath) {
                                                                                                                                                                                   $value = $row['password'];
                                                                     if (is file($path) === true)
                                                                                                                                                                                   $result->close();
                                                                           return unlink($path);
                                                                                                                                                                                   return Svalue;
                                                                      return false; }}
                                                                                                                                                                                ublic function updateEmailById($email, $id) {
                                                                                                                                                                                   Squery = "UPDATE Sthis->tableName SET email =? WHERE id=?":
                                                                                                                                                                                   $statement = ConnectionHandler::getConnection ()->prepare($query);
                                                                                                                                                                                   $statement->bind_param ( 'si', $email, $id );
                                                                                                                                                                                   if (! $statement->execute ()) {
                                                                                                                                                                                      throw new Exception ( Sstatement->error ); } }
                                                                                                                                                                                                                                    <?php foreach($tags as $tag): ?>
                                                                                                                     Reflected XSS: .z.B. über Suchanfrage
                                                                                                                                                                                                                                          <div class="chip">
                                                                                                                                                                                                                                                <?php echo $tag->name; ?>
                                                                                                                       Sie suchten: <script>alert('XSS');</script>
                                                                                                                                                                                                                                          c/divo
                                                                                                                                                                                                                                    <?php endforeach;?>
                                                                                                                     Persistent XSS: Serverseitig abgespeichert, z.B. in blogbeitrag.
                                                                                                                     t in einem Blogbeitrag. <script>alert('XSS');</script>
                       Agrantes file from Liberth, and the file of the file o
                                                                                                                      htmlspecialchars(), htmlentities() oder strip_tags().
                                                                     session start();
                                                                          Morecalism - Sthitt-ogenforwalism (3)
                                                                            Superficial a new Unarrigidal Chi-
                                                                            of (Soorthorn-orandistrations) ( Northorn ( entit) ) [[ Soorthorn-orandistration
                                                                              If (prosent_verify ( Morrolans [ prosent'), described - reading or dynamical ( Morrolans [ well'] ) )

[] strong_verify ( Morrolans [ prosent'], described - reading orbital ( formalism [ well'] ) ); (
                                                                                  session start (1)
                                                                                 section_regenerate_1811
                                                                                 #IF - (stype:[downlos('coll'), '8') to false f icormicl-readiny/sell(firevalue('out')); for mucl-readiny/servalue('out'));
public ('uservae') = hospital-reading/sessigning)
                                                                                               9_10103000[ lawthorivity ] + time();
  require_once('libraries/Dispatcher.php')
  require_once('libraries/View.php');
                                                                                 2 Minior [ loggedie'] - true;
  require_once('libraries/Model.php');
                                                                                  Trhis-related provides (1)
  dispatcher = new Dispatcher();
                                                                                  Neather I 'Location: Jymeton' Is
  dispatcher->dispatch();
                                                                                 heater ( "Locatine /Logis" );
                                                                               header ( 'Excetion Cingle' );
                                                                        palse !
  public function isValid($regex, $value) {
                                                                      header ("lamation /login" ); } } 
private function gathermysloss() {
     if (preg_match ( Sregex, Svalue )) {
                                                                     Soldiers - array 1
           return true;
                                                                           'mant' so (laser [ $,7007 ['small'] ] ? $,7007 ['small'] ; "'],
'paragraf' so (laser [ $,7007 ['paragraf'] ) ? $,7007 ['paragraf'] = "']
      } else {
           return false:
                                                                      PRESENTANTIANTE
```