

NAME :: IBRAR BABAR

ROLL NO. 19P-0104

DATABASE LAB















LAB#8

SECTION :: (4A)

TASK#1

CREATE INDEX THEMEP_INDEX ON THEMEPARK (PARK_NAME);

















```
mysql> CREATE INDEX THEMEP_INDEX ON THEMEPARK (PARK_NAME);
Query OK, 7 rows affected (0.50 sec)
Records: 7  Duplicates: 0  Warnings: 0
```

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	PARK_CODE 	varchar(10)	latin1_swedish_ci	No	None			 Change  Drop  More
<input type="checkbox"/>	2	PARK_NAME 	varchar(35)	latin1_swedish_ci	No	None			 Change  Drop  More
<input type="checkbox"/>	3	PARK_CITY	varchar(50)	latin1_swedish_ci	No	None			 Change  Drop  More
<input type="checkbox"/>	4	PARK_COUNTRY	char(2)	latin1_swedish_ci	No	None			 Change  Drop  More

.TASK#2

CREATE INDEX DEMO_INDEX ON THEMEPARK(PARK_CITY,PARK_COUNTRY);

```
mysql> CREATE INDEX DEMO_INDEX ON THEMEPARK(PARK_CITY,PARK_COUNTRY);
Query OK, 7 rows affected (0.09 sec)
Records: 7  Duplicates: 0  Warnings: 0
```

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	PARK_CODE 	varchar(10)	latin1_swedish_ci	No	None			 Change  Drop  More
<input type="checkbox"/>	2	PARK_NAME 	varchar(35)	latin1_swedish_ci	No	None			 Change  Drop  More
<input type="checkbox"/>	3	PARK_CITY 	varchar(50)	latin1_swedish_ci	No	None			 Change  Drop  More
<input type="checkbox"/>	4	PARK_COUNTRY 	char(2)	latin1_swedish_ci	No	None			 Change  Drop  More

TASK#3

:

SHOW INDEX FROM THEMEPARK\G

```
mysql> SHOW INDEX FROM THEMEPARK\G
***** 1. row *****
      Table: themepark
    Non_unique: 0
      Key_name: PRIMARY
    Seq_in_index: 1
    Column_name: PARK_CODE
      Collation: A
    Cardinality: 7
      Sub_part: NULL
        Packed: NULL
          Null:
    Index_type: BTREE
      Comment:
Index_comment:
***** 2. row *****
      Table: themepark
    Non_unique: 1
      Key_name: THEMEP_INDEX
    Seq_in_index: 1
    Column_name: PARK_NAME
      Collation: A
    Cardinality: NULL
      Sub_part: NULL
        Packed: NULL
          Null:
    Index_type: BTREE
      Comment:
Index_comment:
```

```

***** 3. row *****
      Table: themepark
      Non_unique: 1
      Key_name: DEMO_INDEX
      Seq_in_index: 1
      Column_name: PARK_CITY
      Collation: A
      Cardinality: NULL
      Sub_part: NULL
      Packed: NULL
      Null:
      Index_type: BTREE
      Comment:
Index_comment:
***** 4. row *****
      Table: themepark
      Non_unique: 1
      Key_name: DEMO_INDEX
      Seq_in_index: 2
      Column_name: PARK_COUNTRY
      Collation: A
      Cardinality: NULL
      Sub_part: NULL
      Packed: NULL
      Null:
      Index_type: BTREE
      Comment:
Index_comment:
4 rows in set (0.00 sec)

```

TASK#4

:

IMPLICIT INDEX:

Implicit index are **indexes** that are automatically created by the database server when an object is created. **Indexes** are automatically created for primary key constraints and unique constraints.

UNIQUE INDEX:

A **unique index** guarantees that the **index** key contains no duplicate values and therefore every row in the table is in some way **unique**. There are no significant differences between creating a **UNIQUE** constraint and creating a **unique index** that is independent of a constraint.

TASK#5(1)

```
CREATE DATABASE NUTEC;

CREATE TABLE REGISTRATION(

ROLL_NO          INT          NOT NULL,
NAME             VARCHAR(14)   NOT NULL,
Email            VARCHAR(16)   NOT NULL,
DEPARTMENT       VARCHAR(20)   NOT NULL,
CHOOSE_EVENT     VARCHAR(22)   NOT NULL,
PRIMARY KEY (ROLL_NO,CHOOSE_EVENT)
);
```

```
<html>

<head>

    <title>Registration Form</title>

</head>

<body>

<?php if (isset($_GET['form_submitted']))){
//this code is executed when the form is submitted
?>

<h2>Thank You <?php echo "For registering fastian"; ?>

</h2>

<p>You have been registered as

<?php echo "<br />"; ?>

<?php echo "ROLL_NO : " . $_GET['ROLL_NO'] . '
'. "NAME : " . $_GET['NAME'];?>
```

```
<?php echo "<br />"; ?>

<?php echo "Email : " . $_GET['Email'] . '
'. "DEPARTMENT : " . $_GET['DEPARTMENT'] . '
'. "CHOOSE_EVENT : " . $_GET['CHOOSE_EVENT'];

$username = 'root';
$password = "";

try {
    $conn = new
PDO("mysql:host=localhost;dbname=REGISTRATION", $username,
$password);

// set the PDO error mode to exception
$conn->setAttribute(PDO::ATTR_ERRMODE,
PDO::ERRMODE_EXCEPTION);

echo "Connected successfully";
} catch (PDOException $e) {
echo "Connection failed: " . $e->getMessage();
}

$ROLL_NO = $_GET["ROLL_NO"];
$NAME = $_GET["NAME"];
>Email = $_GET["Email"];
$DEPARTMENT = $_GET["DEPARTMENT"];
$CHOOSE_EVENT = $_GET["CHOOSE_EVENT"];

$conn->query("insert into REGISTRATION
values('$ROLL_NO ',' $NAME ',' $Email ','
$DEPARTMENT',' $CHOOSE_EVENT')");

?>
```

</p>

<p>Go back to the

```
form</p>
<?php }
else { ?>
    <h2>Nutec'21 Event Registration For Fastians </h2>
    <form action="lab8.php" method="GET">
        ROLL_NO:
        <input type="text" placeholder="ROLL_NO"
            name="ROLL_NO">
        <br>
        NAME:
        <input type="text" placeholder="NAME"
            name="NAME">
        <br> Email:
        <input type="text" placeholder="Email"
            name="Email">
        <br>
        DEPARTMENT:
        <input type="text" placeholder="DEPARTMENT"
            name="DEPARTMENT">
        <br>
        CHOOSE_EVENT:
        <input type="text" placeholder="CHOOSE_EVENT"
            name="CHOOSE_EVENT">
        <input type="hidden" name="form_submitted"
            value="1" />
        <br>
        <input type="submit" value="Submit">
    </form>
<?php } ?>
```

</body>

</html>

localhost:63342/lab8/lab8.php?_ijt=j

Nutec'21 Event Registration For Fastians

ROLL_NO:







NAME:

Email:





DEPARTMENT:

CHOOSE_EVENT:

+ Options

	ROLL_NO	NAME	Email	DEPARTMENT	CHOOSE_EVENT
<input type="checkbox"/>  Edit  Copy  Delete	104	IBRAR	ABC@GMAIL.COM	CS	PROGRAMMING
<input type="checkbox"/>  Edit  Copy  Delete	105	ALI	DEF@GMAIL.COM	EE	ELECTRICITY

☐ Check all

With selected:  Edit  Copy  Delete  Export

TASK#5(2)

<html>

<head>

<title>Registration Form</title>

<link rel="stylesheet"

href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css" integrity="sha384-

ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoRxT2MZw1T"
crossorigin="anonymous">

</head>

<body>

<?php if (isset(\$_POST['user_id'])) {

 \$username = 'root';

 \$password = '';

 // Check connection

 try {

 \$conn = new PDO("mysql:host=localhost;dbname=user_reg", \$username, \$password);

 // set the PDO error mode to exception

 \$conn->setAttribute(PDO::ATTR_ERRMODE, PDO::ERRMODE_EXCEPTION);

 echo "Connected successfully";

 } catch(PDOException \$e) {

 echo "Connection failed: " . \$e->getMessage();

 }

 \$user_id = \$_POST["user_id"];

 // where user id = 1301 OR 1=1

 \$query_1 = \$conn->prepare("select * from registration where user_id = ?");

 \$query_1->execute([\$user_id]);

 \$result = \$query_1->fetchAll(PDO::FETCH_ASSOC);

 // die;

?>

```
<table class="table">
```

```
  <thead>
```

```
    <tr>
```

```
      <th>ROLL_NO</th>
```

```
      <th>NAME</th>
```

```
      <th>Email</th>
```

```
      <th>DEPARTMENT</th>
```

```
      <th>CHOOSE_EVENT</th>
```

```
    </tr>
```

```
  </thead>
```

```
  <tbody>
```

```
    <?php
```

```
    foreach ($result as $key=>$value){
```

```
      echo ' <tr>
```

```
        <td>'. $value["ROLL_NO"].'</td>
```

```
        <td>'. $value["NAME"].'</td>
```

```
        <td>'. $value["Email"].'</td>
```

```
        <td>'. $value["DEPARTMENT"].'</td>
```

```
        <td>'. $value["CHOOSE_EVENT"].'</td>
```

```
      </tr>';
```

```
    }
```

?>

```
  </tbody>
```

```
</table>
```

```
<?php
```

```
}
```

```
else {
```

```
?>
```

```
<h2>Registration Form</h2>
```

```
<form action="prepared_stmt.php" method="POST">
```

```
    UserID:
```

```
    <input type="text" placeholder="ROLL_NO" name="ROLL_NO">
```

```
    <input type="text" placeholder="NAME" name="NAME">
```

```
    <input type="text" placeholder="Email" name="Email">
```

```
    <input type="text" placeholder="DEPARTMENT" name="DEPARTMENT">
```

```
    <input type="text" placeholder="CHOOSE_EVENT" name="CHOOSE_EVENT">
```

```
    <input type="submit" value="Submit">
```

```
</form>
```

```
<?php
```

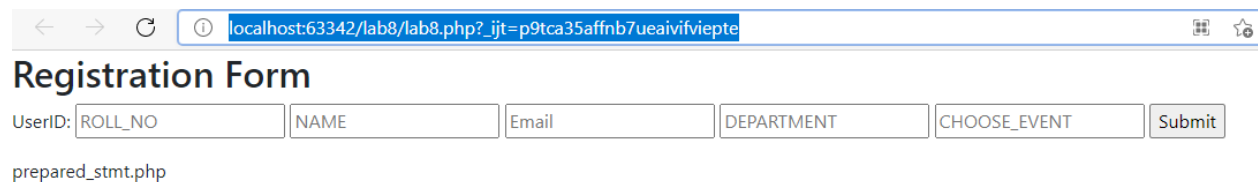
```
}
```

```
?>
```

```
</body>
```

```
</html>
```

prepared_stmt.php



The screenshot shows a web browser window with the address bar displaying 'localhost:63342/lab8/lab8.php?_ijt=p9tca35affnb7ueaivfvipte'. The page title is 'Registration Form'. Below the title, there is a form with five input fields and a submit button. The first field is labeled 'UserID:' and contains the text 'ROLL_NO'. The other fields are labeled 'NAME', 'Email', 'DEPARTMENT', and 'CHOOSE_EVENT'. The submit button is labeled 'Submit'. Below the form, the text 'prepared_stmt.php' is visible.

UserID: ROLL_NO	NAME	Email	DEPARTMENT	CHOOSE_EVENT	Submit
-----------------	------	-------	------------	--------------	--------

prepared_stmt.php

localhost:63342/lab8/lab8.php?_ijt=p9tca35affnb7ueaivfviepte

Registration Form

UserID:

prepared_stmt.php

Registration Form

UserID: prepared_stmt.php

ROLL_NO	0104	NAME	ibrar	Email	abc@gmail.com	DEPARTMENT	cs	CHOOSE_EVENT	programming
---------	------	------	-------	-------	---------------	------------	----	--------------	-------------