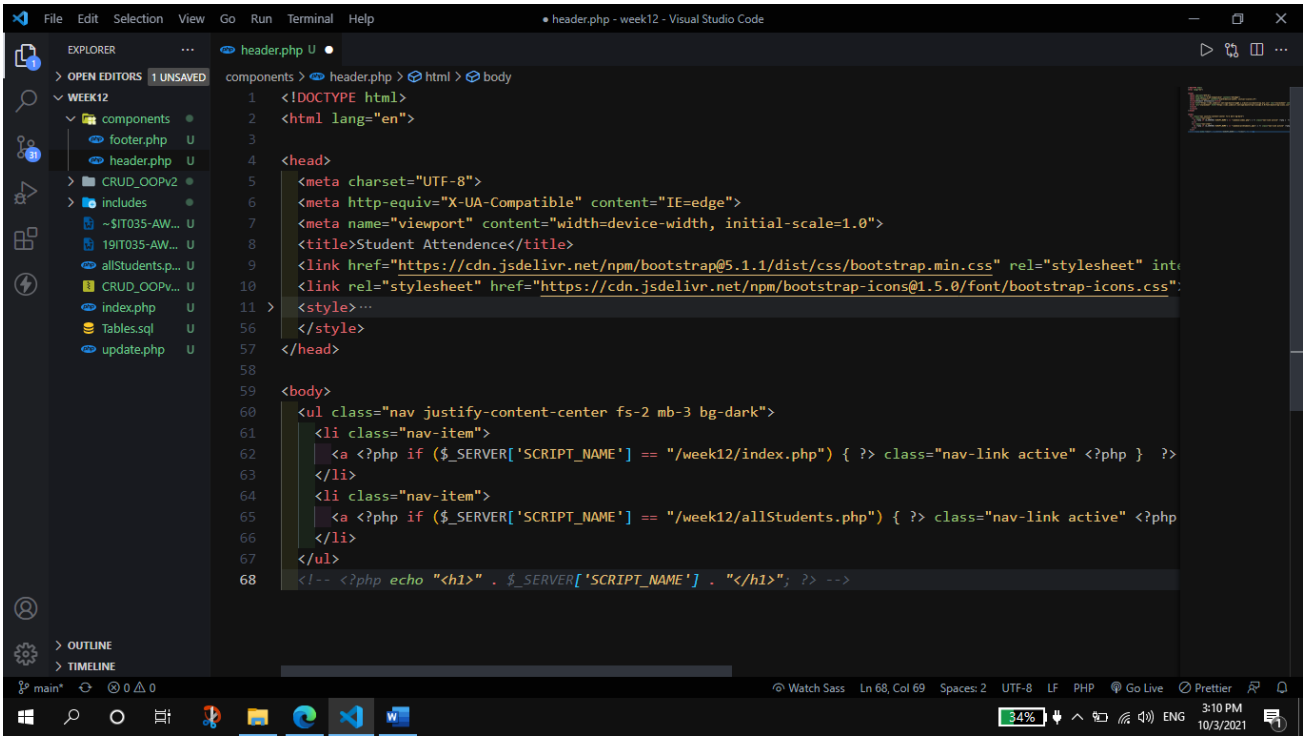
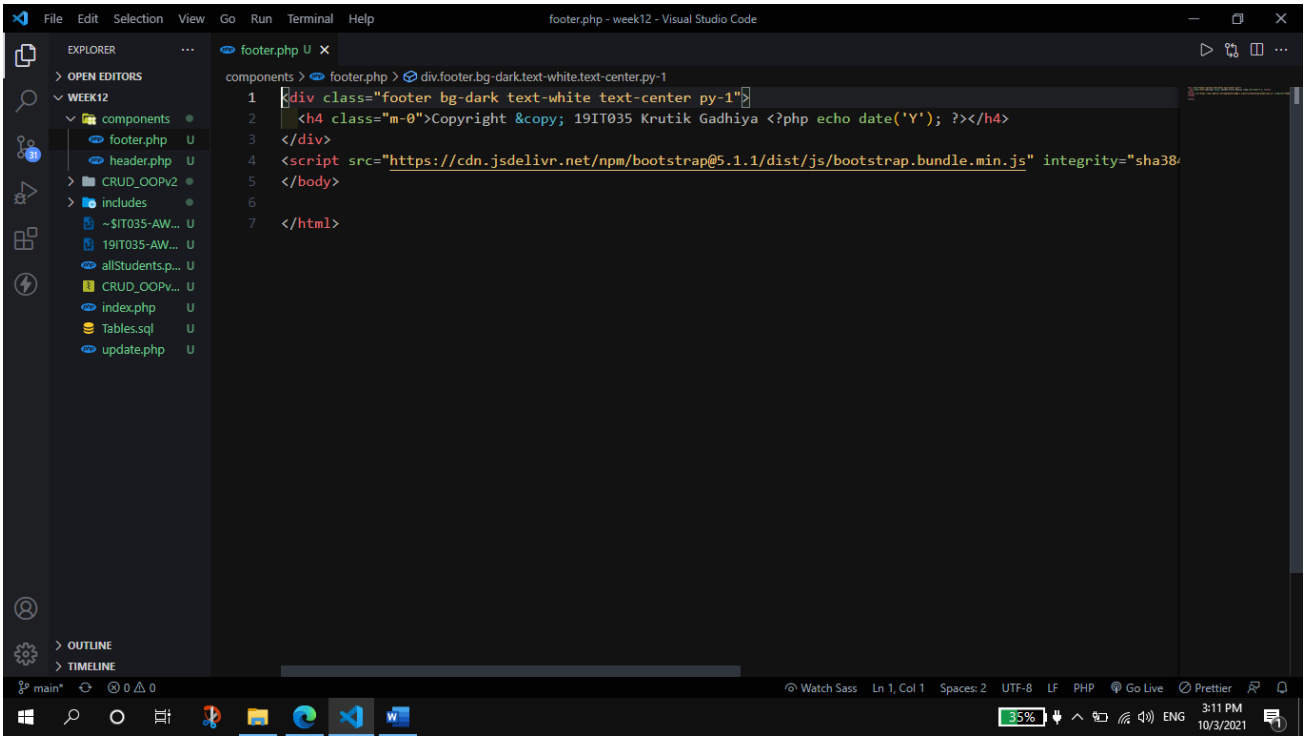
AWT Practical *Week - 12 Task*

CRUD OOP

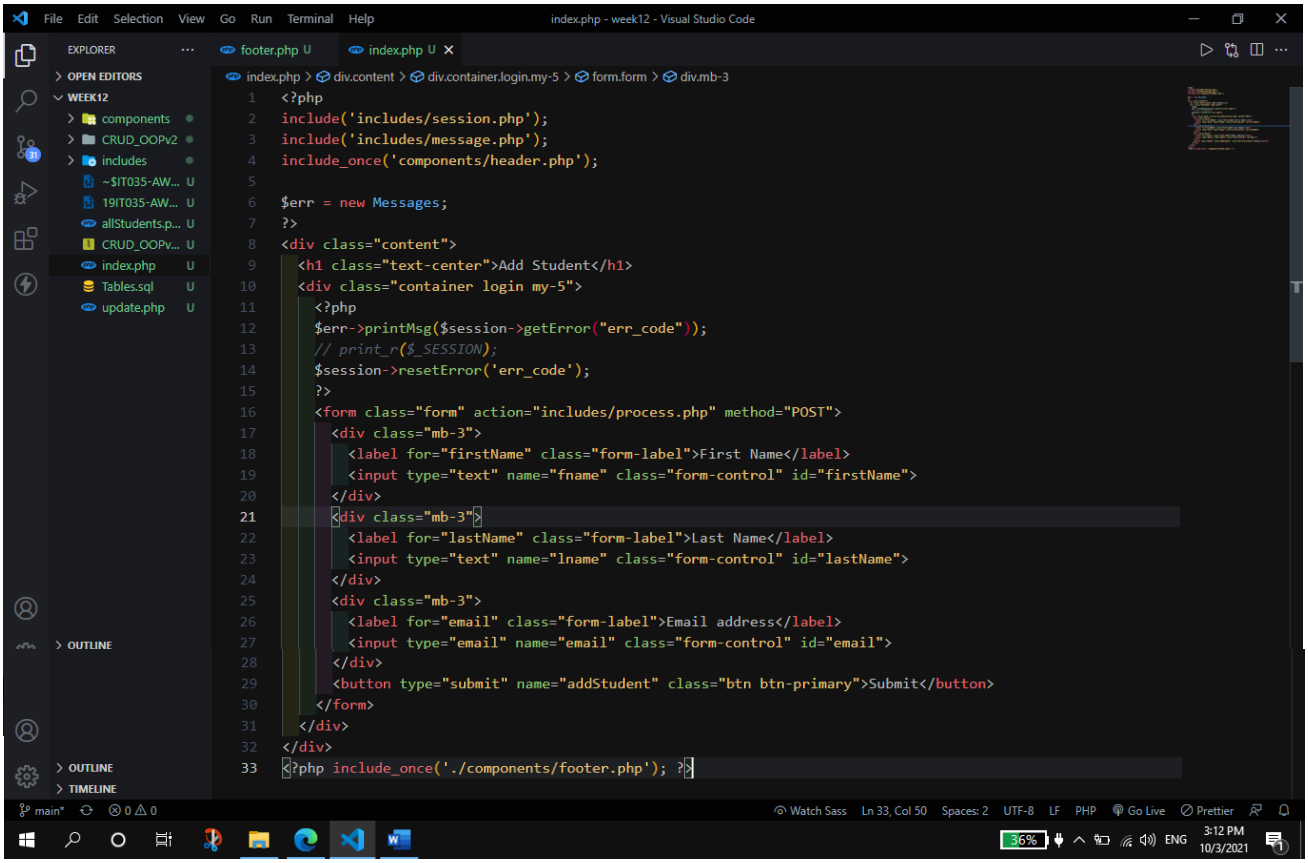
Header.php



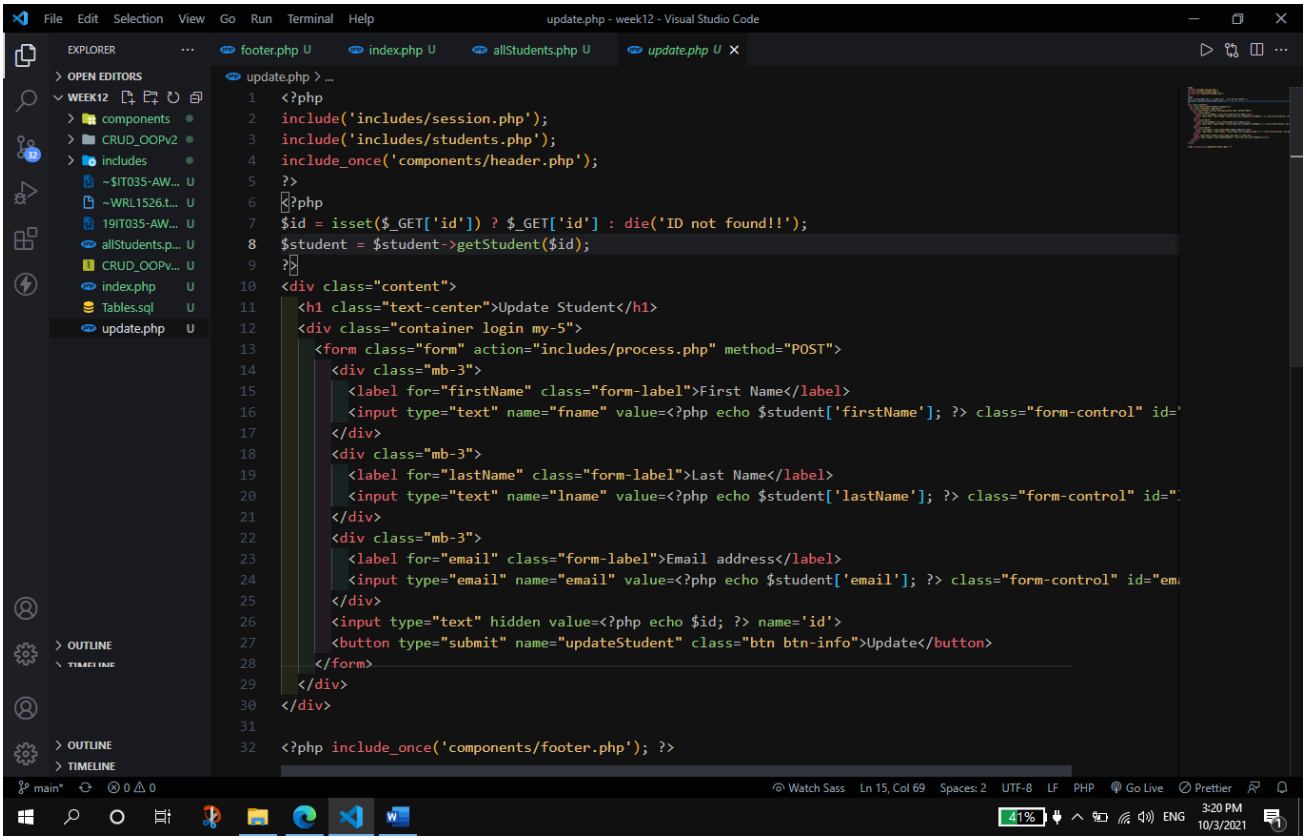
Footer.php



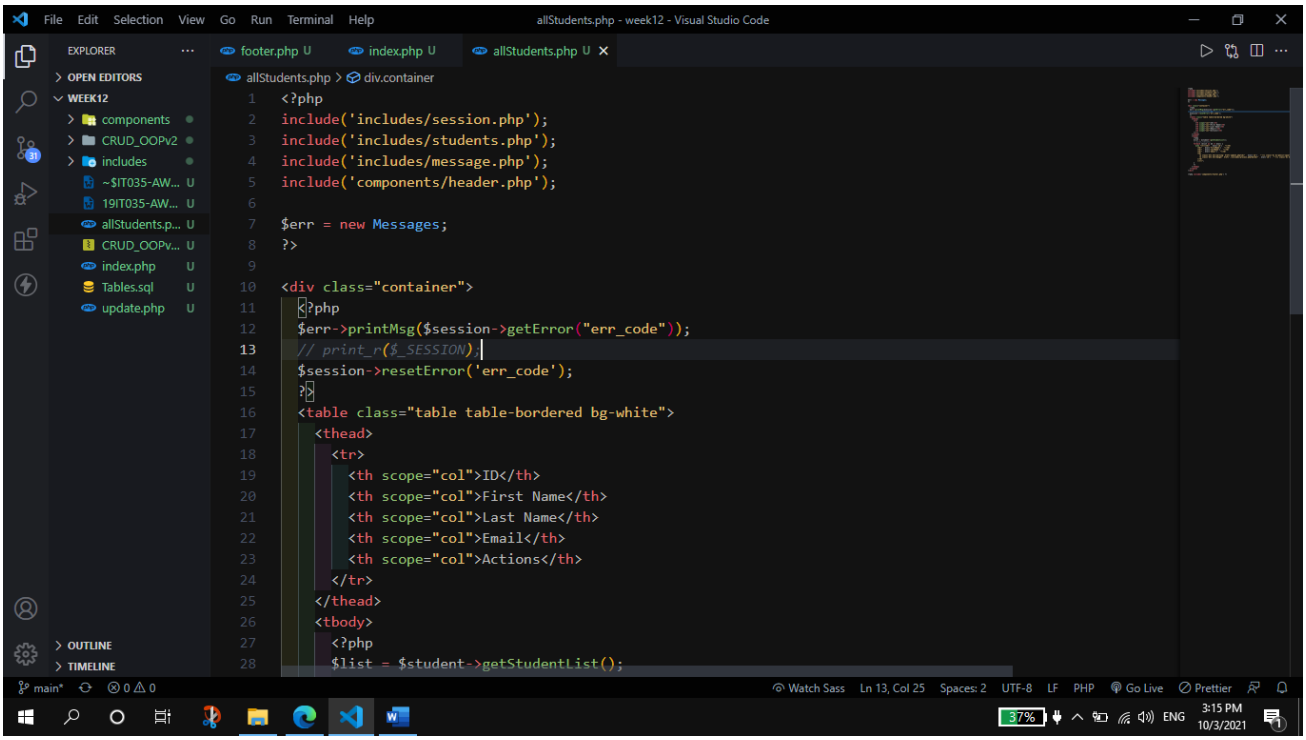
Index.php

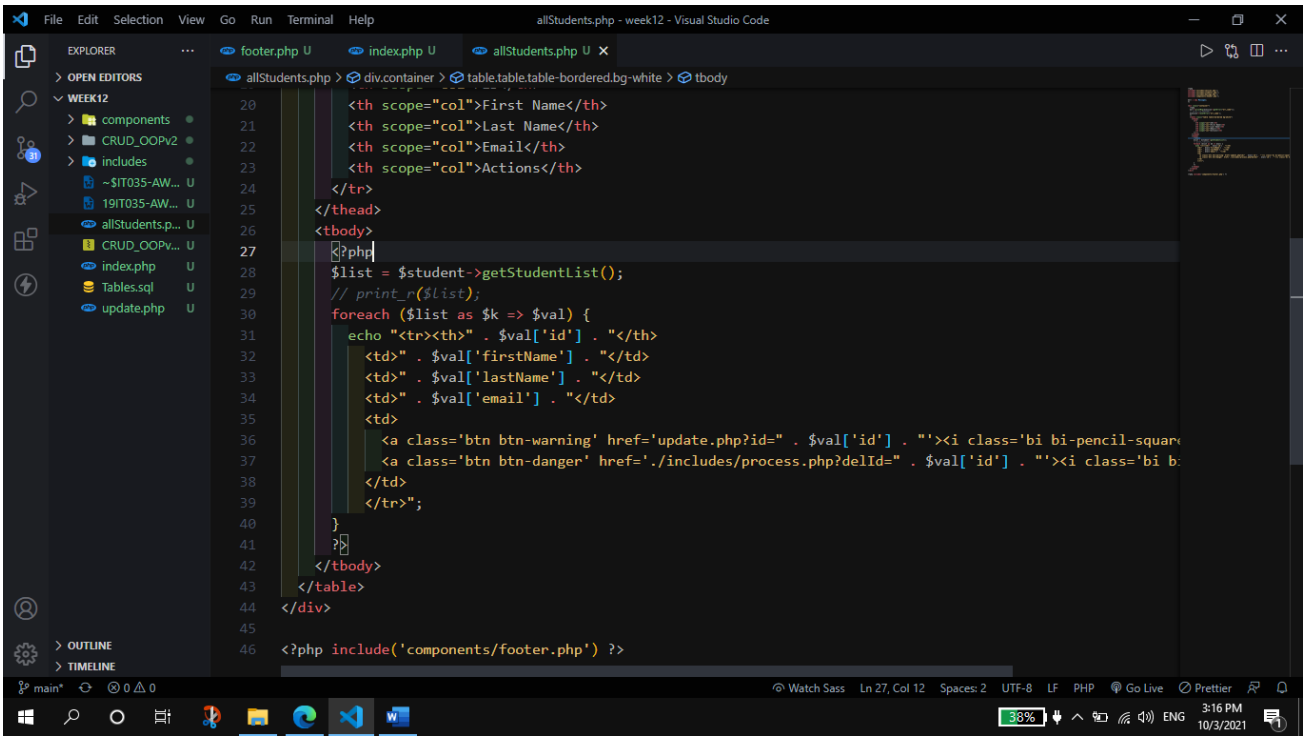


Update.php

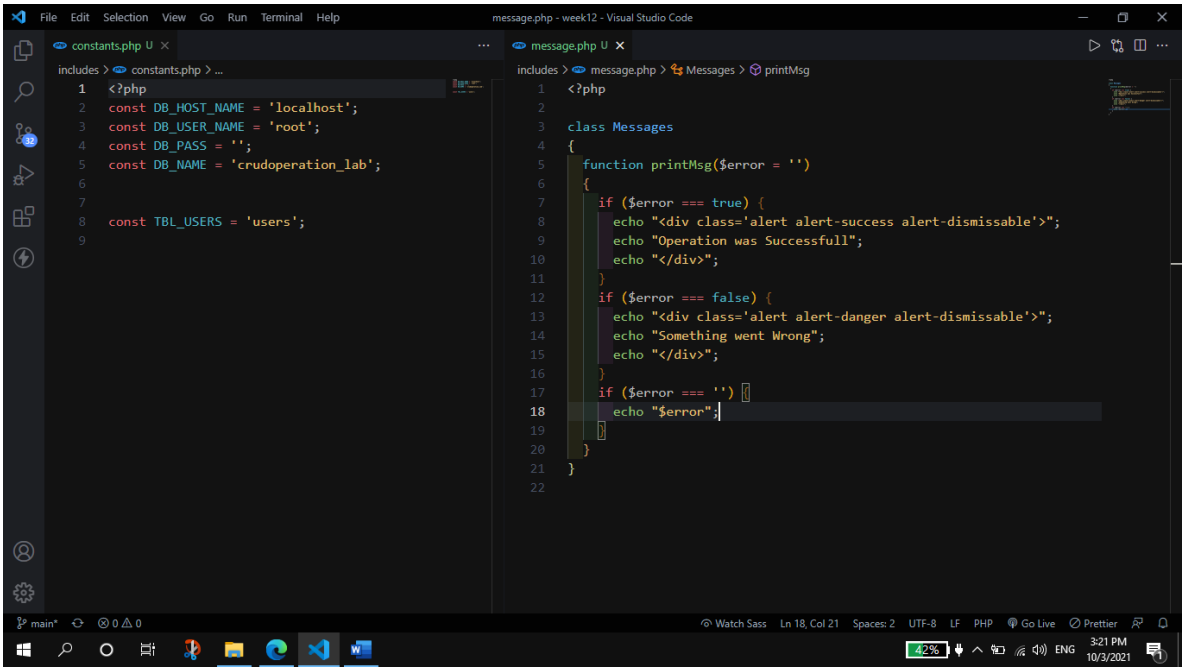


allStudents.php





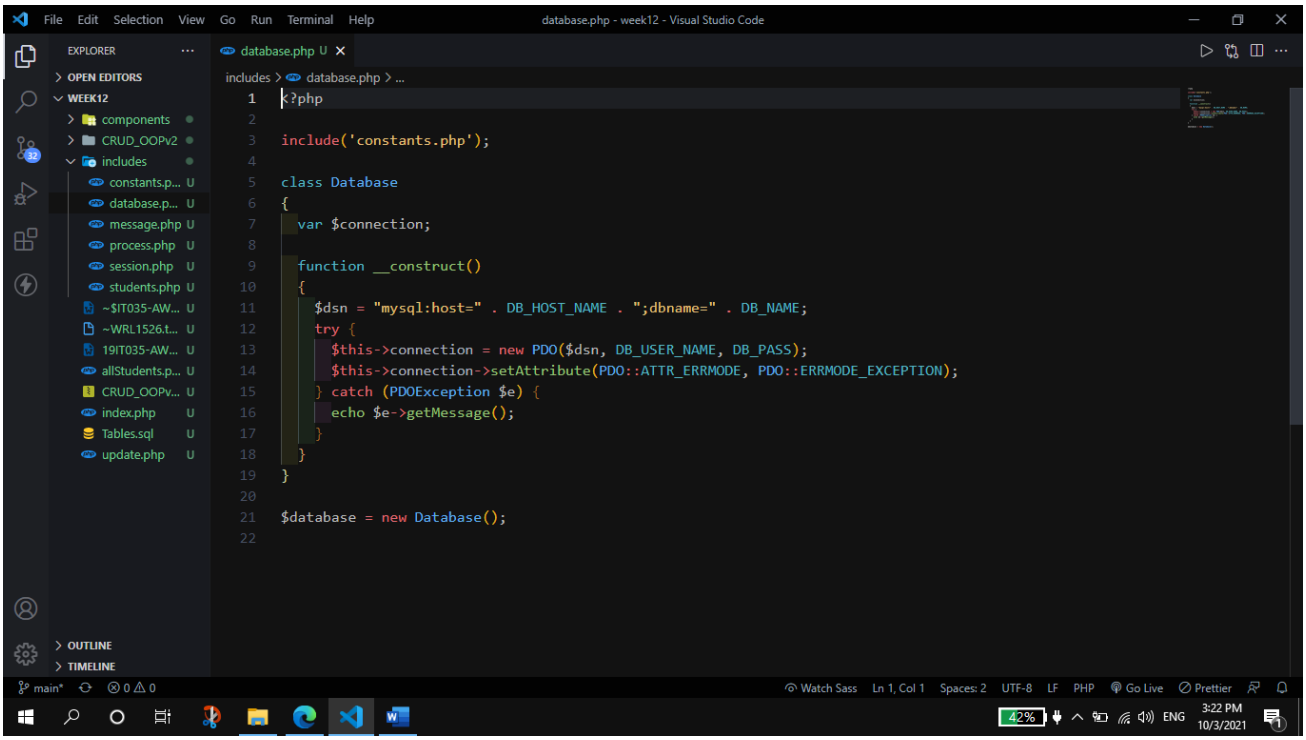
Constants.php & message.php



```php
<?php
const DB_HOST_NAME = 'localhost';
const DB_USER_NAME = 'root';
const DB_PASS = '';
const DB_NAME = 'crudoperation_lab';


const TBL_USERS = 'users';
```

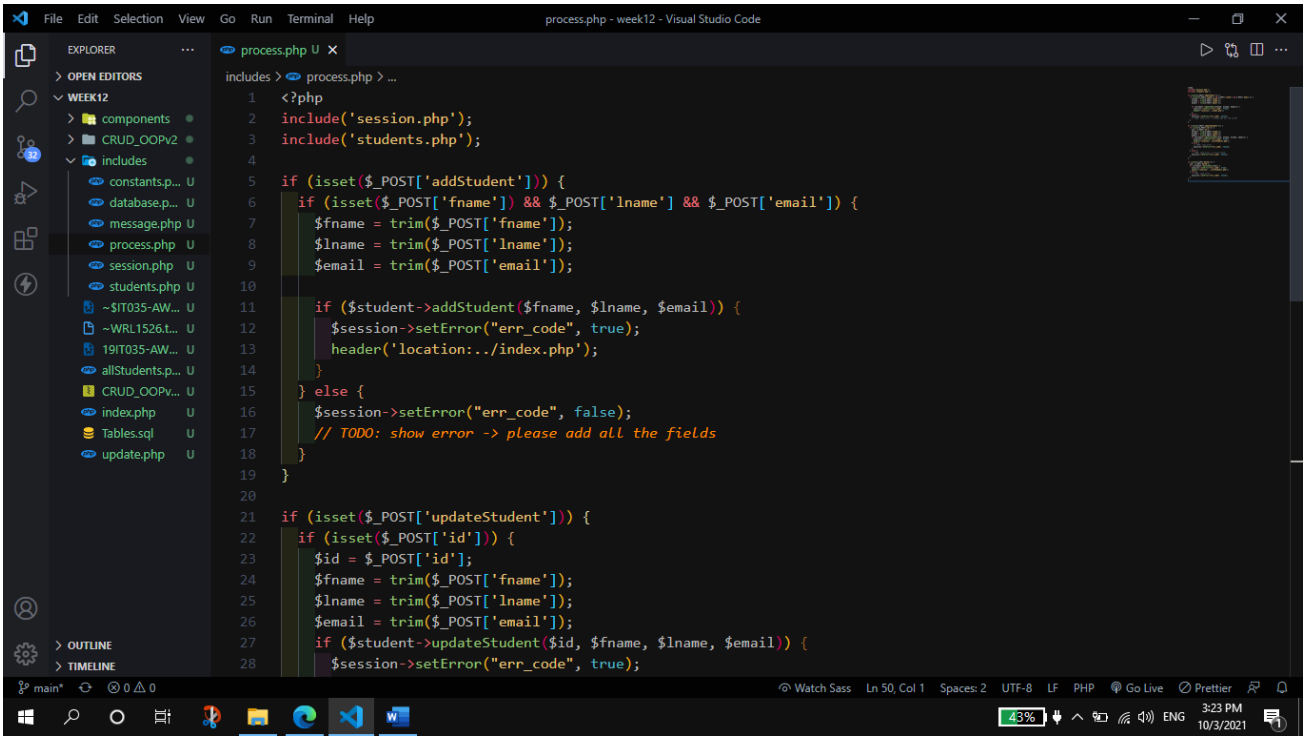
```php
<?php

class Messages
{
  function printMsg($error = '')
  {
    if ($error === true) {
      echo "<div class='alert alert-success alert-dismissable'>";
      echo "Operation was Successfull";
      echo "</div>";
    }
    if ($error === false) {
      echo "<div class='alert alert-danger alert-dismissable'>";
      echo "Something went Wrong";
      echo "</div>";
    }
    if ($error === '') {
      echo "$error";
    }
  }
}
```

Database.php

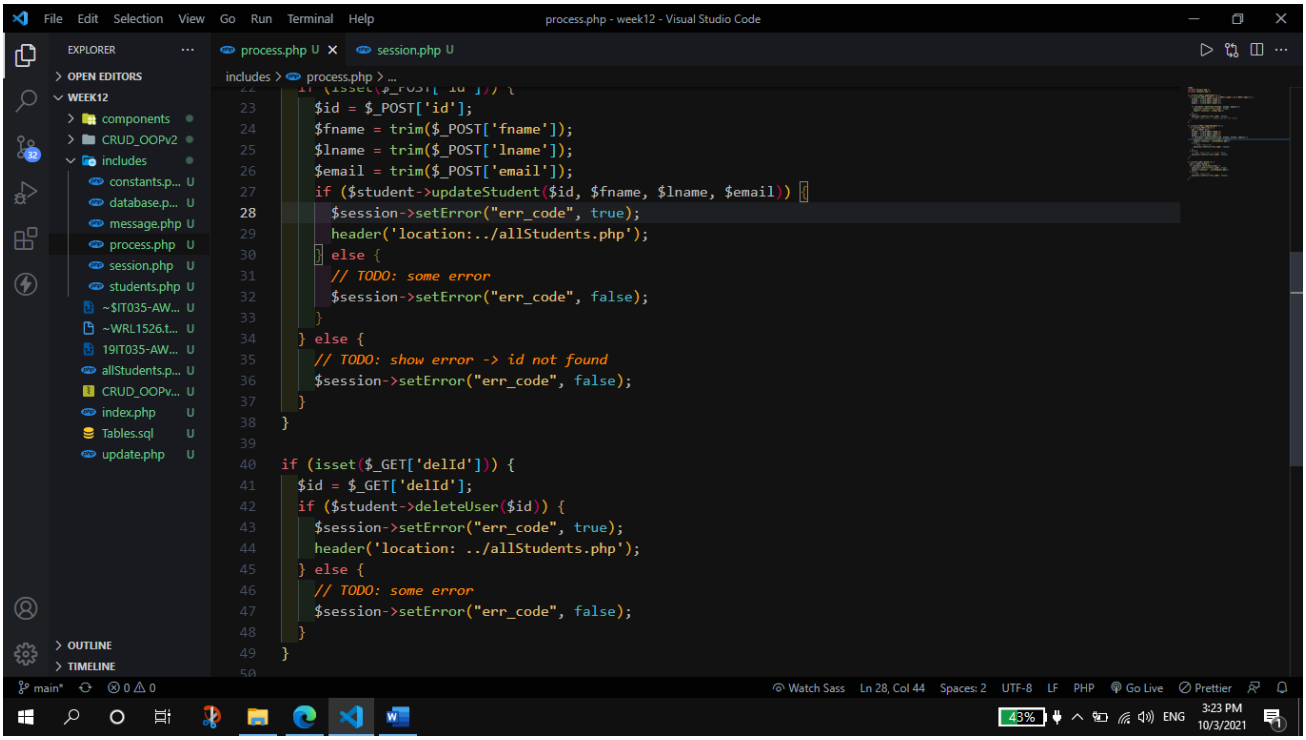


```php
<?php

include('constants.php');

class Database
{
  var $connection;

  function __construct()
  {
    $dsn = "mysql:host=" . DB_HOST_NAME . ";dbname=" . DB_NAME;
    try {
      $this->connection = new PDO($dsn, DB_USER_NAME, DB_PASS);
      $this->connection->setAttribute(PDO::ATTR_ERRMODE, PDO::ERRMODE_EXCEPTION);
    } catch (PDOException $e) {
      echo $e->getMessage();
    }
  }
}

$database = new Database();
```

Process.php

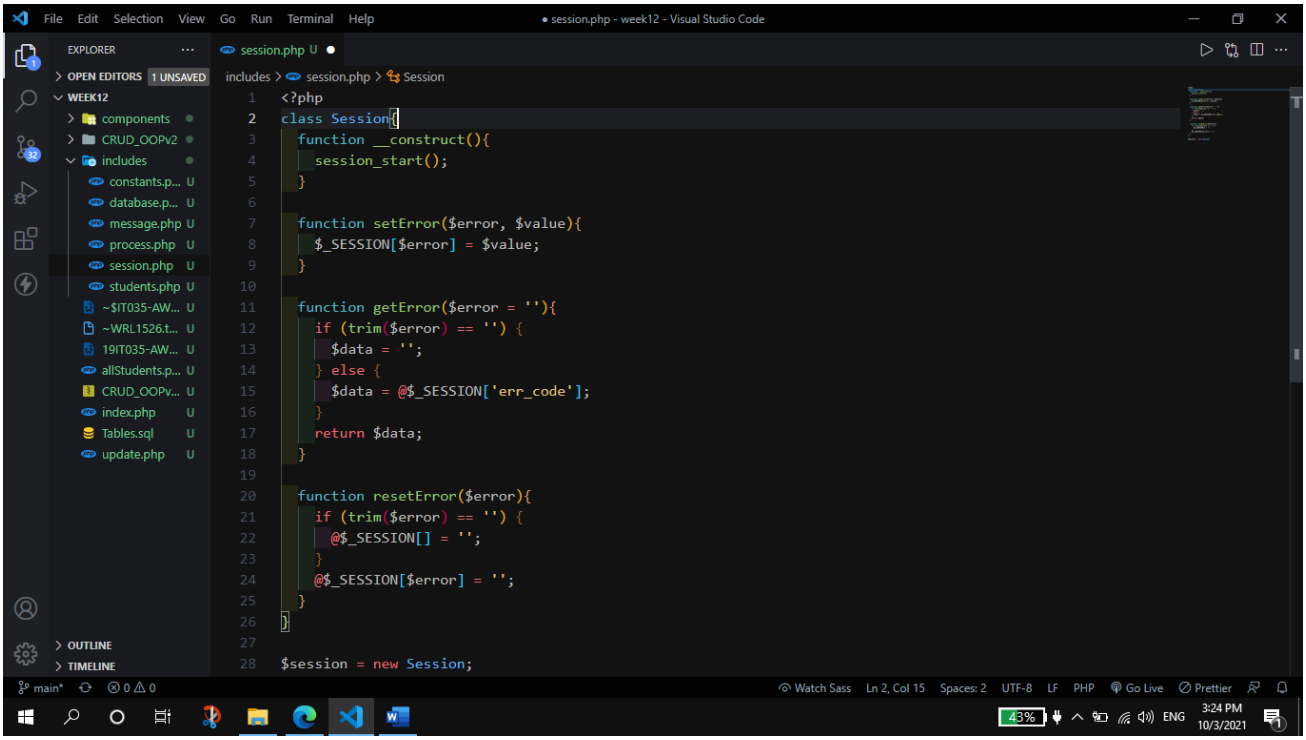


```php
<?php
include('session.php');
include('students.php');

if (isset($_POST['addStudent'])) {
  if (isset($_POST['fname']) && $_POST['lname'] && $_POST['email']) {
    $fname = trim($_POST['fname']);
    $lname = trim($_POST['lname']);
    $email = trim($_POST['email']);

    if ($student->addStudent($fname, $lname, $email)) {
      $session->setError("err_code", true);
      header('location:../index.php');
    }
  } else {
    $session->setError("err_code", false);
    // TODO: show error -> please add all the fields
  }
}

if (isset($_POST['updateStudent'])) {
  if (isset($_POST['id'])) {
    $id = $_POST['id'];
    $fname = trim($_POST['fname']);
    $lname = trim($_POST['lname']);
    $email = trim($_POST['email']);
    if ($student->updateStudent($id, $fname, $lname, $email)) {
      $session->setError("err_code", true);
```



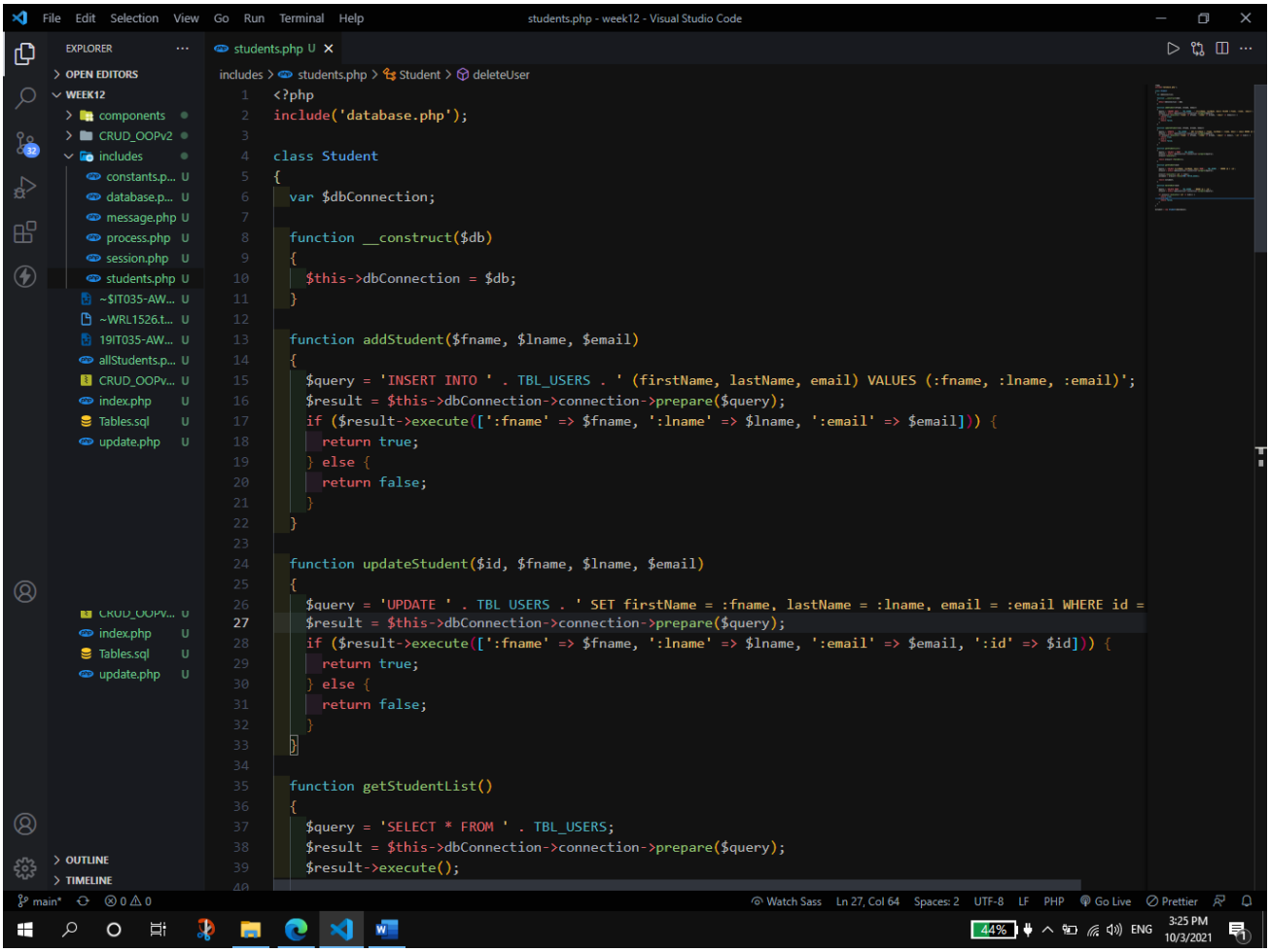
```php
    $id = $_POST['id'];
    $fname = trim($_POST['fname']);
    $lname = trim($_POST['lname']);
    $email = trim($_POST['email']);
    if ($student->updateStudent($id, $fname, $lname, $email)) {
      $session->setError("err_code", true);
      header('location:../allStudents.php');
    } else {
      // TODO: some error
      $session->setError("err_code", false);
    }
  } else {
    // TODO: show error -> id not found
    $session->setError("err_code", false);
  }
}

if (isset($_GET['delId'])) {
  $id = $_GET['delId'];
  if ($student->deleteUser($id)) {
    $session->setError("err_code", true);
    header('location: ../allStudents.php');
  } else {
    // TODO: some error
    $session->setError("err_code", false);
  }
}
```

Session.php

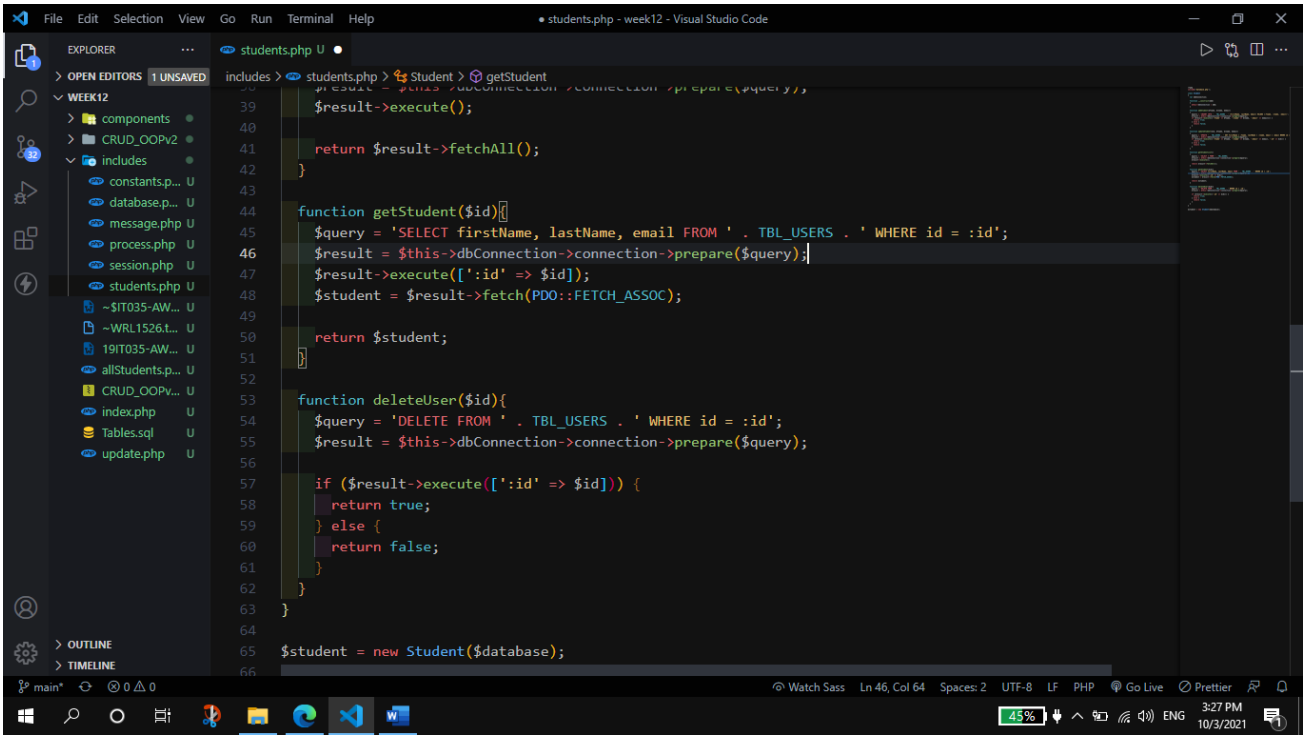


```php
<?php
class Session{
  function __construct(){
    session_start();
  }

  function setError($error, $value){
    $_SESSION[$error] = $value;
  }

  function getError($error = ''){
    if (trim($error) == '') {
      $data = '';
    } else {
      $data = @$_SESSION['err_code'];
    }
    return $data;
  }

  function resetError($error){
    if (trim($error) == '') {
      @$_SESSION[] = '';
    }
    @$_SESSION[$error] = '';
  }
}

$session = new Session;
```

Students.php

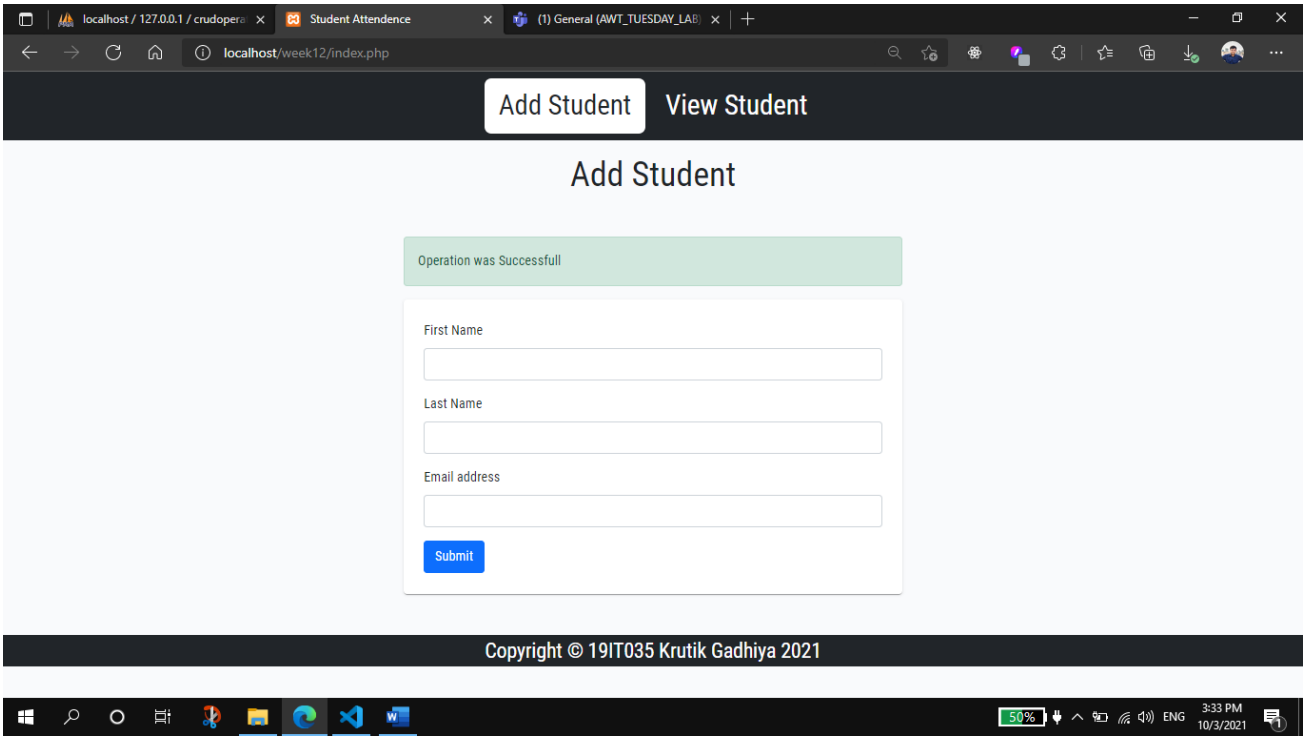


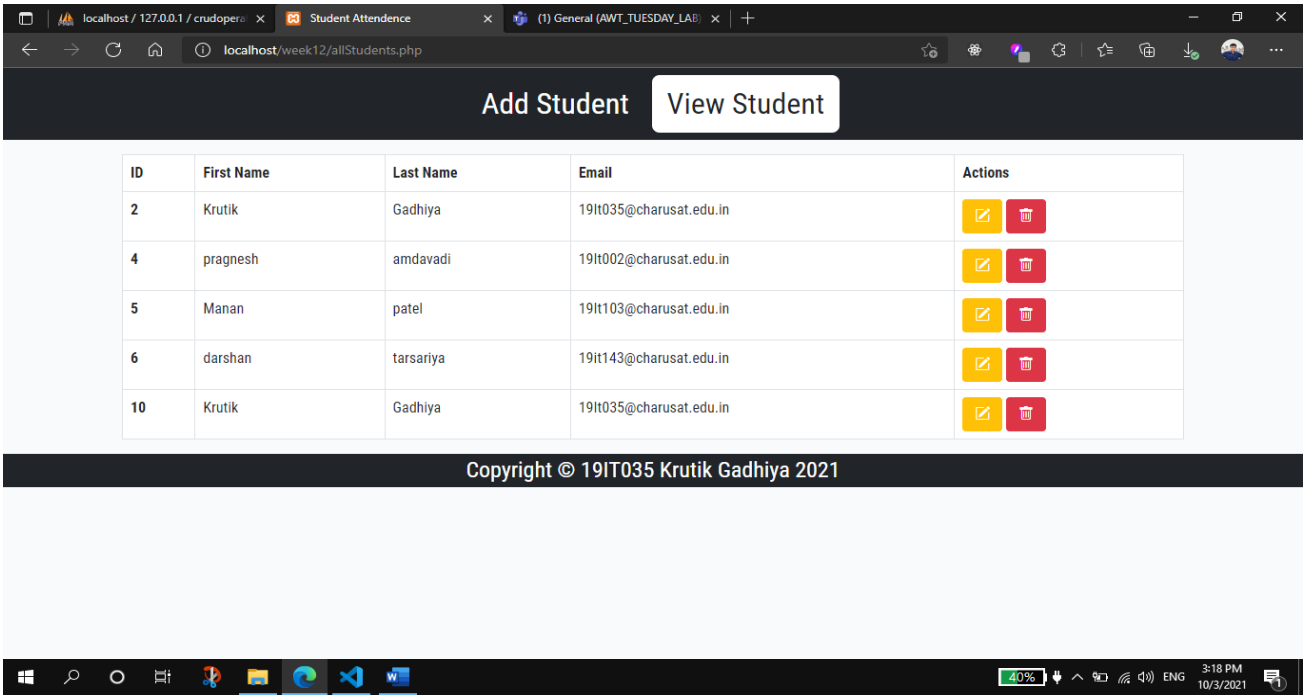
```php
<?php
include('database.php');

class Student
{
  var $dbConnection;

  function __construct($db)
  {
    $this->dbConnection = $db;
  }

  function addStudent($fname, $lname, $email)
  {
    $query = 'INSERT INTO ' . TBL_USERS . ' (firstName, lastName, email) VALUES (:fname, :lname, :email)';
    $result = $this->dbConnection->connection->prepare($query);
    if ($result->execute([':fname' => $fname, ':lname' => $lname, ':email' => $email])) {
      return true;
    } else {
      return false;
    }
  }

  function updateStudent($id, $fname, $lname, $email)
  {
    $query = 'UPDATE ' . TBL_USERS . ' SET firstName = :fname, lastName = :lname, email = :email WHERE id =
    $result = $this->dbConnection->connection->prepare($query);
    if ($result->execute([':fname' => $fname, ':lname' => $lname, ':email' => $email, ':id' => $id])) {
      return true;
    } else {
      return false;
    }
  }

  function getStudentList()
  {
    $query = 'SELECT * FROM ' . TBL_USERS;
    $result = $this->dbConnection->connection->prepare($query);
    $result->execute();
```

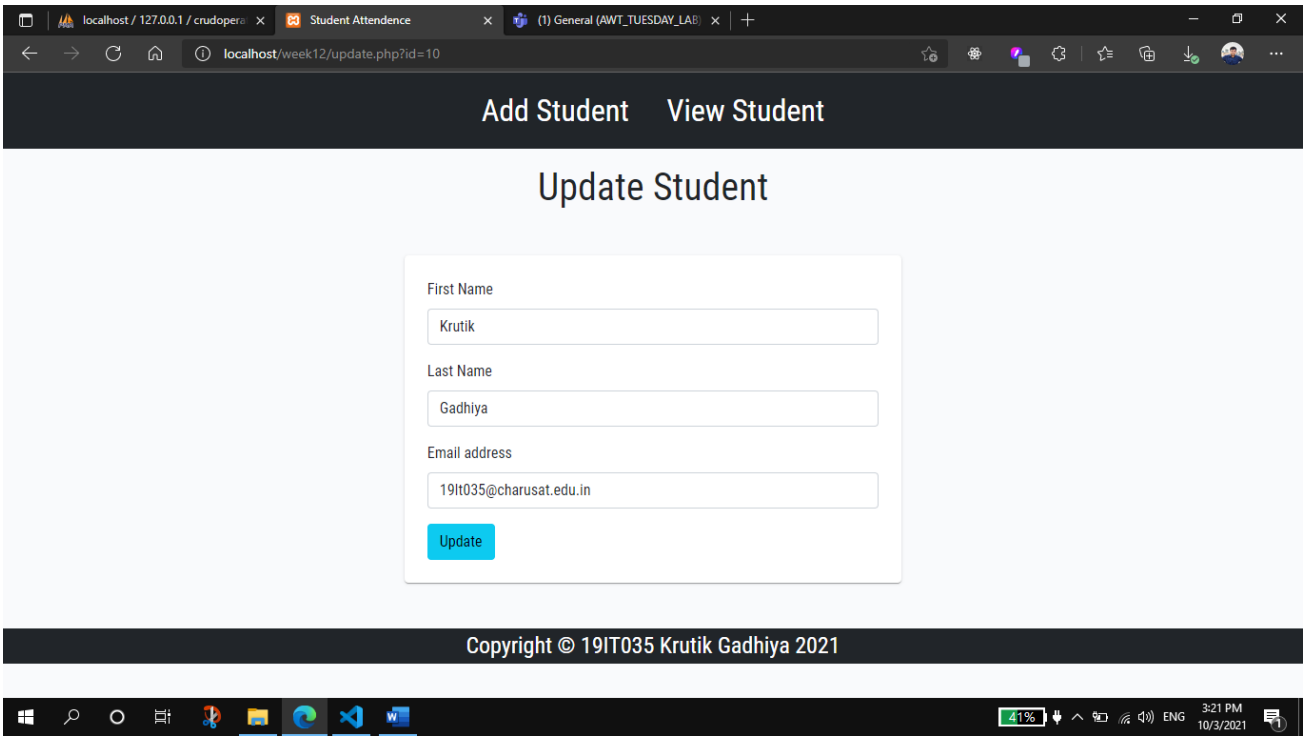


```php
    $result->execute();

    return $result->fetchAll();
  }

  function getStudent($id){
    $query = 'SELECT firstName, lastName, email FROM ' . TBL_USERS . ' WHERE id = :id';
    $result = $this->dbConnection->connection->prepare($query);
    $result->execute([':id' => $id]);
    $student = $result->fetch(PDO::FETCH_ASSOC);

    return $student;
  }

  function deleteUser($id){
    $query = 'DELETE FROM ' . TBL_USERS . ' WHERE id = :id';
    $result = $this->dbConnection->connection->prepare($query);

    if ($result->execute([':id' => $id])) {
      return true;
    } else {
      return false;
    }
  }
}

$student = new Student($database);
```

Output:




localhost / 127.0.0.1 / crudopera
Student Attendence
(1) General (AWT_TUESDAY_LAB)
localhost/week12/allStudents.php
Add Student
View Student
ID
First Name
Last Name
Email
Actions
2
Krutik
Gadhiya
19It035@charusat.edu.in
4
pragnesh
amdavadi
19It002@charusat.edu.in
5
Manan
patel
19It103@charusat.edu.in
6
darshan
tarsariya
19it143@charusat.edu.in
10
Krutik
Gadhiya
19It035@charusat.edu.in
Copyright © 19IT035 Krutik Gadhiya 2021
40%
ENG
3:18 PM
10/3/2021


localhost / 127.0.0.1 / crudopera
Student Attendence
(1) General (AWT_TUESDAY_LAB)
localhost/week12/update.php?id=10
Add Student
View Student
Update Student
First Name
Krutik
Last Name
Gadhiya
Email address
19It035@charusat.edu.in
Update
Copyright © 19IT035 Krutik Gadhiya 2021
41%
ENG
3:21 PM
10/3/2021