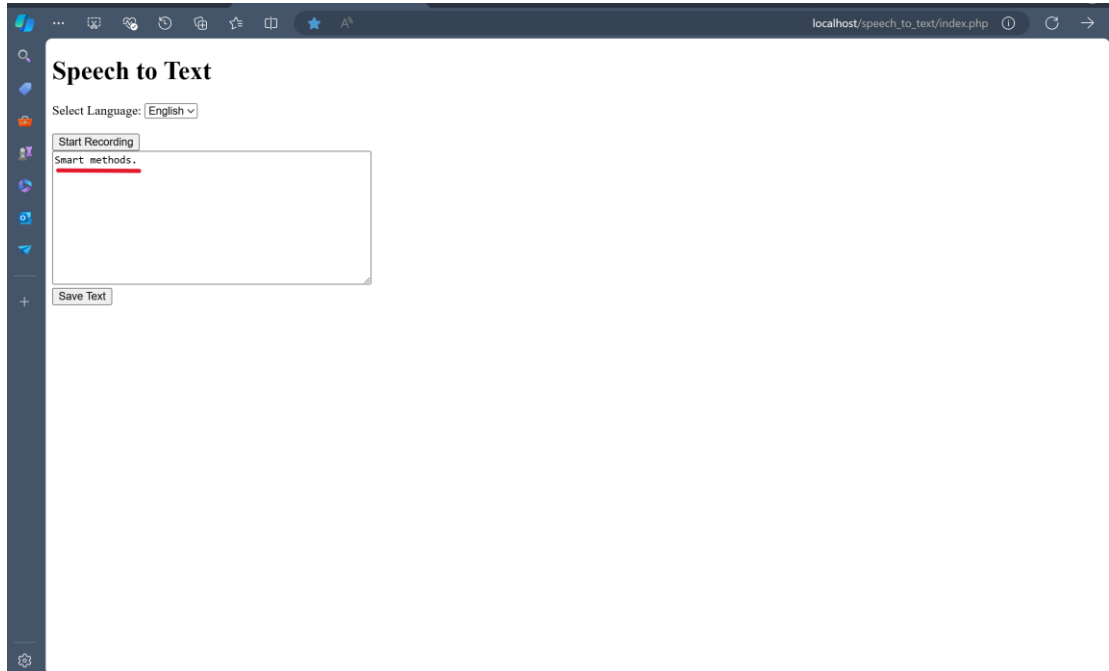
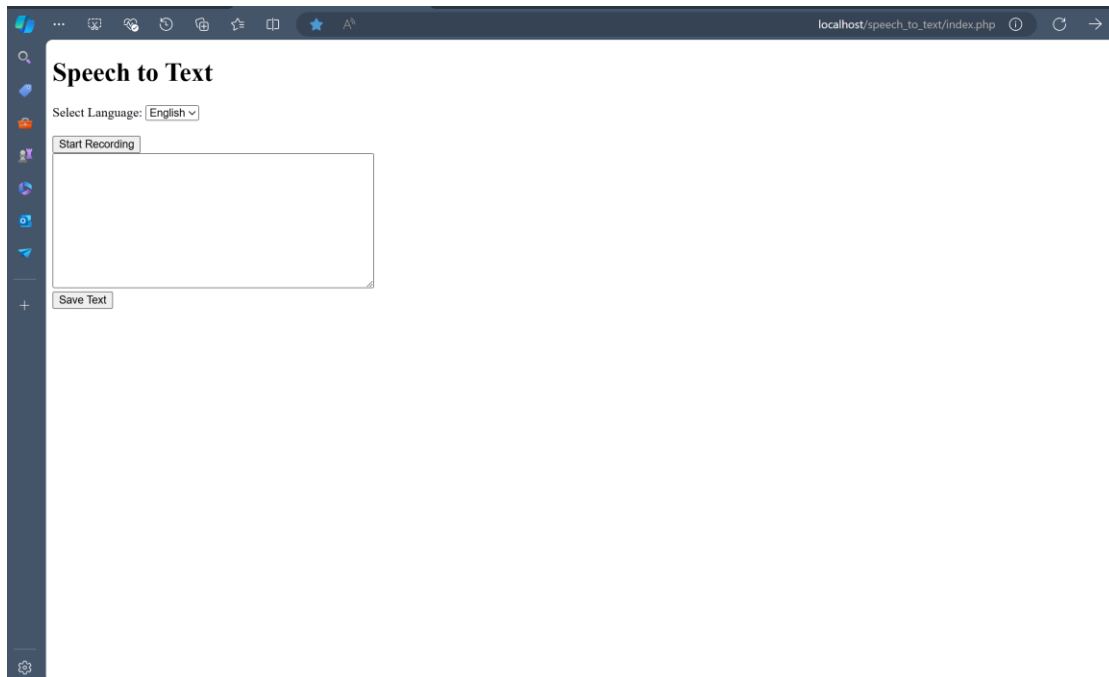
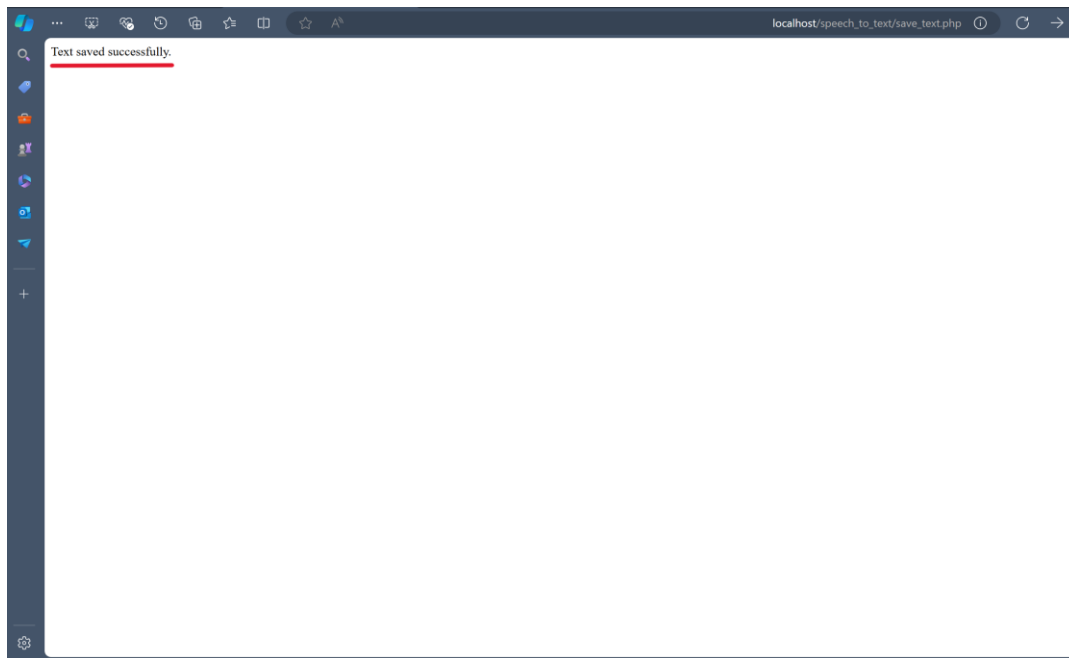


Task 4

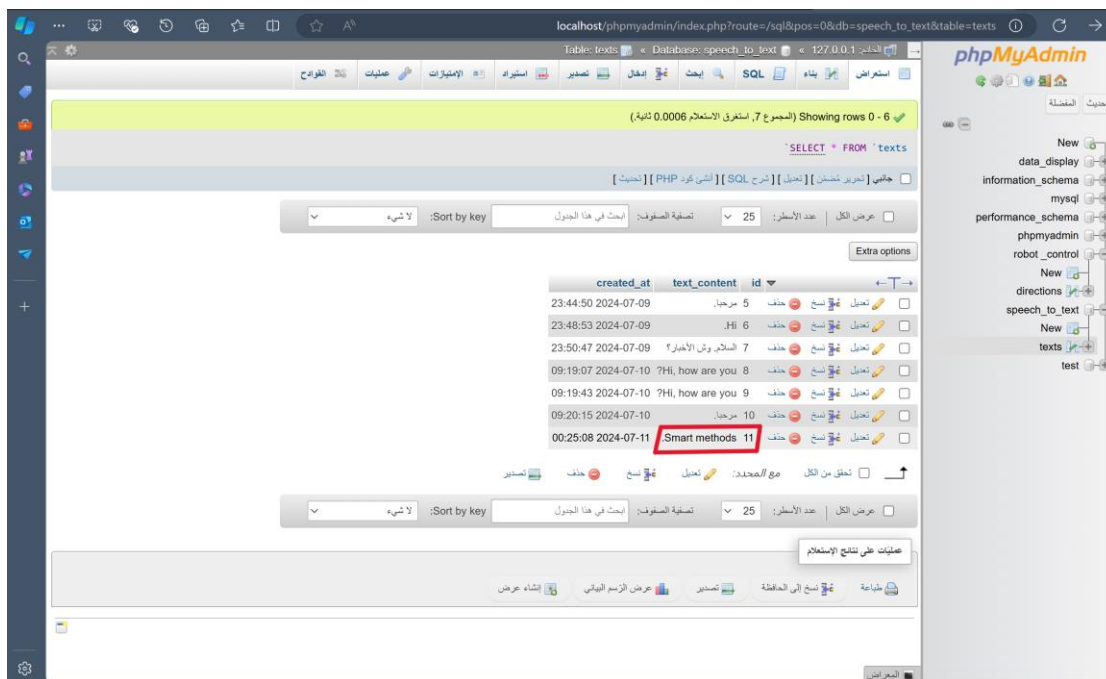
The web page :

http://localhost/speech_to_text/index.php





The database :



The code of index.php :

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Speech to Text</title>
  <script>
    function startRecording() {
      var recognition = new (window.SpeechRecognition ||
window.webkitSpeechRecognition)();
      var selectedLanguage = document.getElementById('language').value;
      recognition.lang = selectedLanguage;
      recognition.interimResults = false;

      recognition.onresult = function(event) {
        var transcript = event.results[0][0].transcript;
        document.getElementById('text-content').value = transcript;
      };

      recognition.onerror = function(event) {
        console.error(event.error);
      };

      recognition.start();
    }

    function saveText() {
      document.getElementById('speech-form').submit();
    }
  </script>
</head>
<body>
  <h1>Speech to Text</h1>
  <label for="language">Select Language:</label>
  <select id="language">
    <option value="en-US">English</option>
    <option value="ar-SA">Arabic</option>
  </select><br><br>
  <button onclick="startRecording()">Start Recording</button>
  <form id="speech-form" action="save_text.php" method="post">
    <textarea id="text-content" name="text-content" rows="10" cols="50"
readonly></textarea><br>
    <button type="button" onclick="saveText()">Save Text</button>
  </form>
</body>
</html>
```

The code of save_text.php:

```
<?php
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "speech_to_text";

//إنشاء اتصال
$conn = new mysqli($servername, $username, $password, $dbname);

//التحقق من الاتصال
if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}

if ($_SERVER['REQUEST_METHOD'] == 'POST') {
    $text_content = $conn->real_escape_string($_POST['text-content']);

    //إدخال النص في قاعدة البيانات
    $sql = "INSERT INTO texts (text_content) VALUES ('$text_content')";

    if ($conn->query($sql) === TRUE) {
        echo "Text saved successfully.";
    } else {
        echo "Error: " . $sql . "<br>" . $conn->error;
    }
}

$conn->close();
?>
```