HTML5 Web Workers

* **Index.HTML**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<title>Web Worker Demo</title>

</head>

<body>

<h2>Web Worker Example</h2>

<input type="number" id="numberInput" placeholder="Enter a number">

<button onclick="calculateSquare()">Calculate Square</button>

<p id="result"></p>

<script>

const worker = new Worker("worker.js");

function calculateSquare() {

const number = document.getElementById("numberInput").value;

worker.postMessage(Number(number)); // Send data to worker

}

worker.onmessage = function(event) {

document.getElementById("result").innerText = "Result: " + event.data;

console.log("Result from worker:", event.data);

};

</script>

</body>

</html>

* Worker.js

self.onmessage = function(event) {

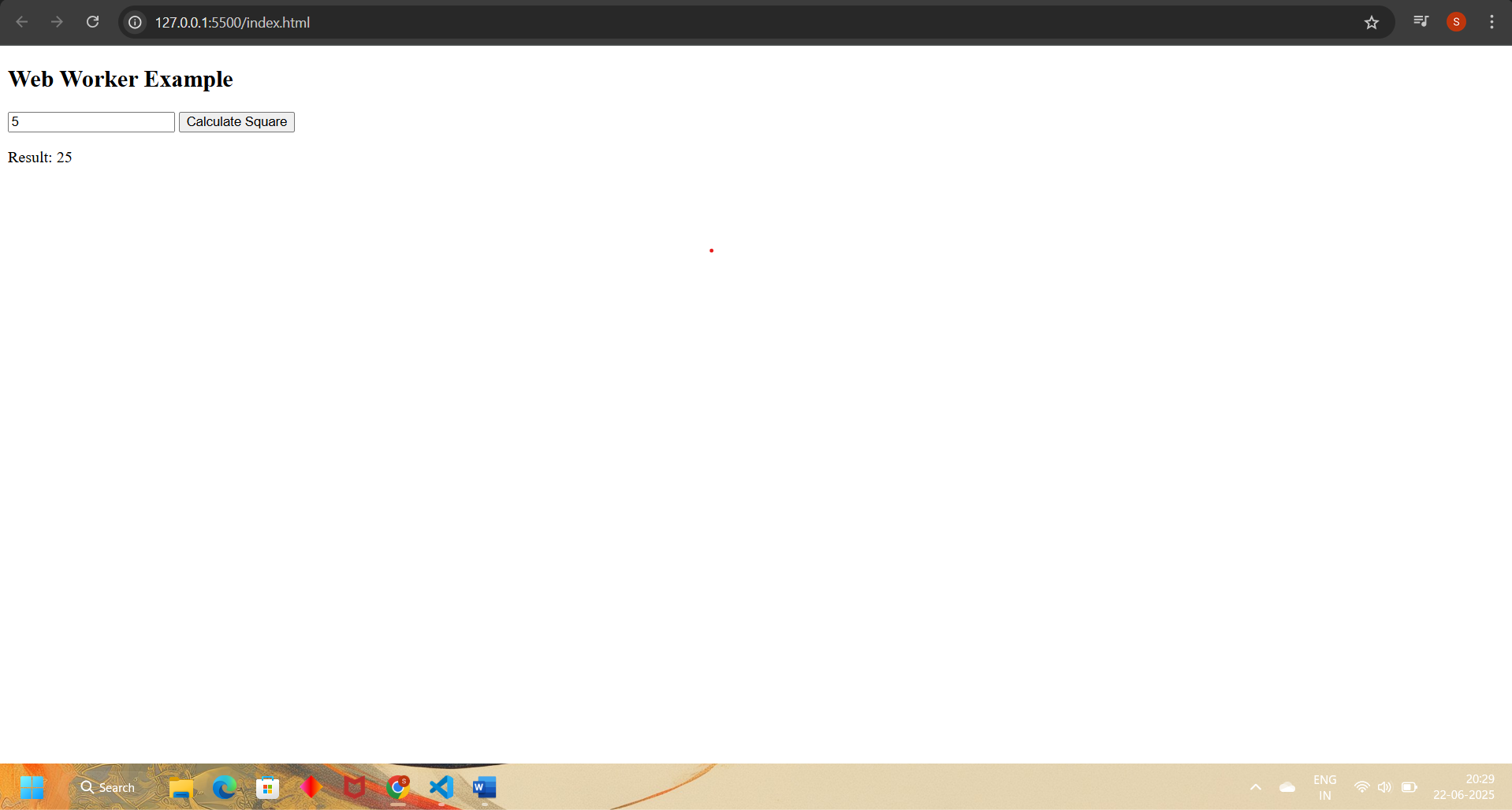
  const number = event.data;

  let result = number \* number;

  postMessage(result); // Send result back to main thread

};

Screen shot of output:

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