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ExNo:1 A) Date:	Create a portfolio website for a Profile
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AIM :

To design and develop a responsive personal portfolio website showcasing skills, projects, and contact details.

ALGORITHM :

Step 1 :Set up HTML structure with sections: Header, About, Skills, Projects, and Contact.

Step 2 :Style the webpage using CSS for layout, typography, and responsiveness.

Step 3 :Add navigation links for smooth scrolling between sections.

Step 4 :Display key information like resume, skills, and major projects.

Step 5 :Provide contact details including email and LinkedIn.

Step 6 :Enhance user experience with clean design and interactive elements (e.g., buttons).

PROGRAM:

INDEX.HTML

```
<!DOCTYPE html>
```

```
<html lang="en">
```

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Sreeshma G | Portfolio</title>

<link rel="stylesheet" href="style.css">

</head>

<body>

<header>

<h1>Sreeshma G</h1>

<p>AI & Full-Stack Developer</p>

<nav>

About

Skills

Projects

Contact

</nav>

</header>

<section id="about">

<h2>About Me</h2>

<p>Final-year B.Tech (AIML) student passionate about AI and software development. Skilled in building scalable applications, AI-driven solutions, and full-stack development.</p>

[Download Resume](resume.pdf)

</section>

<section id="skills">

<h2>Skills</h2>

Python, C++, Java

</section>

<section id="projects">

<h2>Projects</h2>

<div class="project">

<h3>AI-Based Fitness Trainer</h3>

<p>Developed an AI-powered fitness trainer using MediaPipe and OpenCV for real-time posture correction.</p>

</div>

<div class="project">

<h3>Diet Recommendation System</h3>

<p>Designed a diet planner using K-Means clustering to generate personalized diet recommendations.</p>

</div>

</section>

<section id="contact">

<h2>Contact</h2>

<p>Email: sreeshma.g.aiml.2022@snsct.org</p>

<p>LinkedIn: <a href="https://www.linkedin.com/in/sreeshma-g"

target="_blank">linkedin.com/in/sreeshma-g</p>

</section>

<footer>

<p>© 2024 Sreeshma G | All Rights Reserved</p>

</footer>

</body>

</html>

STYLE.CSS

/* General Reset */

* {

margin: 0;

padding: 0;

box-sizing: border-box;

}

```
body {  
  
    font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;  
  
    background-color: #f9f9f9;  
  
    color: #333;  
  
    line-height: 1.6;  
  
}
```

```
/* Header */
```

```
header {  
  
    background-color: #1e293b;  
  
    color: white;  
  
    padding: 2rem 1rem;  
  
    text-align: center;  
  
}
```

```
header h1 {  
  
    font-size: 2.5rem;  
  
    margin-bottom: 0.5rem;  
  
}
```

```
header p {  
  
    font-size: 1.2rem;  
  
    color: #cbd5e1;  
  
}
```

```
nav ul {  
  
  list-style: none;  
  
  display: flex;  
  
  justify-content: center;  
  
  margin-top: 1rem;  
  
  flex-wrap: wrap;  
  
}
```

```
nav ul li {  
  
  margin: 0 15px;  
  
}
```

```
nav ul li a {  
  
  color: #f1f5f9;  
  
  text-decoration: none;  
  
  font-weight: bold;  
  
  transition: color 0.3s;  
  
}
```

```
nav ul li a:hover {  
  
  color: #38bdf8;  
  
}
```

```
/* Section Styling */
```

```
section {  
  
  padding: 4rem 2rem;
```

```
max-width: 900px;

margin: auto;

}
```

```
h2 {

font-size: 2rem;

margin-bottom: 1rem;
```

```
color: #0f172a;

}
```

```
/* About */
```

```
#about p {

font-size: 1.1rem;

margin-bottom: 1rem;

}
```

```
.btn {

display: inline-block;

background-color: #38bdf8;

color: white;

padding: 0.7rem 1.2rem;

border-radius: 5px;

text-decoration: none;
```



```
    transition: background-color 0.3s;
}
```

```
.btn:hover {
    background-color: #0284c7;
}
```

```
/* Skills */
```

```
#skills ul {
```

```
    list-style: disc inside;
    font-size: 1.1rem;
}
```

```
/* Projects */
```

```
.project {
    background-color: #e2e8f0;
    padding: 1.5rem;
    margin-bottom: 1rem;
    border-radius: 8px;
    box-shadow: 0 4px 6px rgba(0, 0, 0, 0.1);
}
```

```
.project h3 {
    margin-bottom: 0.5rem;
}
```

```
color: #1e40af;  
  
}
```

```
/* Contact */
```

```
#contact a {  
  
color: #0ea5e9;  
  
text-decoration: none;  
  
}
```

```
#contact a:hover {
```

```
text-decoration: underline;  
  
}
```

```
/* Footer */
```

```
footer {  
  
background-color: #1e293b;  
  
color: white;  
  
text-align: center;  
  
padding: 1rem 0;  
  
margin-top: 2rem;  
  
font-size: 0.9rem;  
  
}
```

```
/* Responsive */

@media (max-width: 600px) {

  nav ul {

    flex-direction: column;

    gap: 10px;

  }

  header h1 {

    font-size: 2rem;

  }

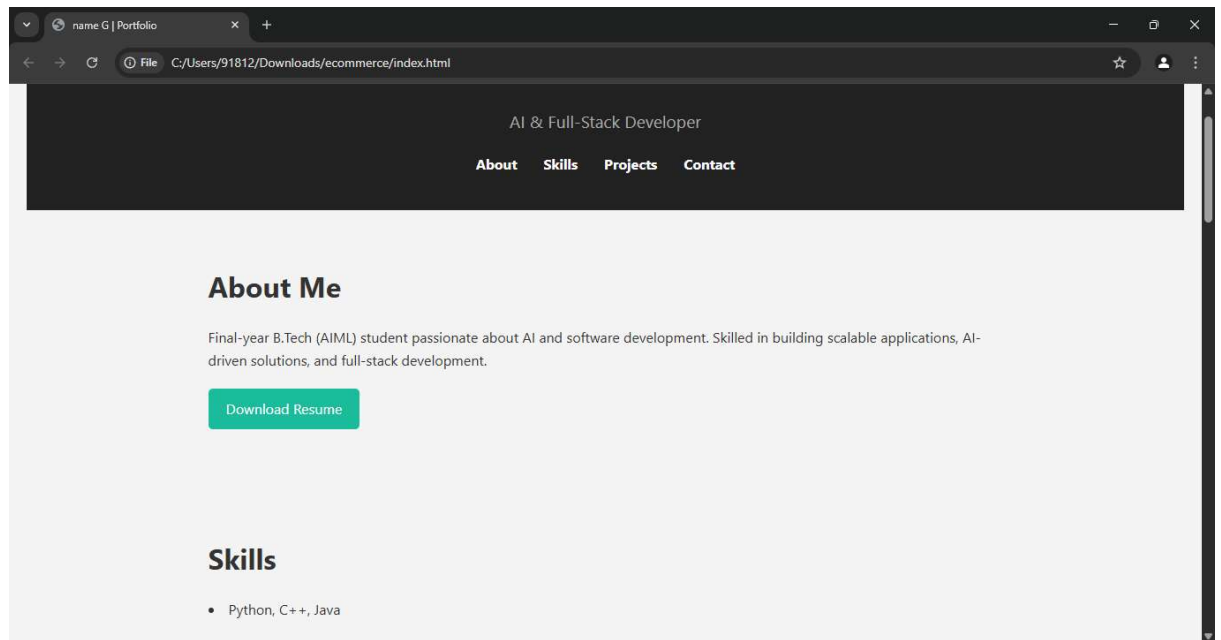
  section {

    padding: 2rem 1rem;

  }

}
```

OUTPUT :



RESULT:

Thus the above program executed and the output is verified successfully.

ExNo:1 B)	Create a portfolio website for a Fictional Business
Date:	

AIM :

To design and develop a responsive and visually appealing website for a fictional business using HTML and CSS.

ALGORITHM :

Step 1 :Set up the HTML structure with key sections: Header, Home, About Us, Services/Products, Testimonials (optional), and Contact.

Step 2 :Style the webpage using CSS for layout, color scheme, fonts, and responsiveness across devices.

Step 3 :Implement a navigation bar with links for smooth scrolling or switching between sections.

Step 4 :Highlight business details such as company description, services/products offered, and unique selling points.

Step 5 :Include contact information such as business email, phone number, location, and social media links.

Step 6 :Enhance user experience with a clean, professional design and interactive elements (e.g., hover effects, call-to-action buttons).

PROGRAM :

INDEX.HTML

```
<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>FreshBite Café</title>

    <link rel="stylesheet" href="style.css">

</head>

<body>

    <header>

        <nav class="navbar">

            <div class="logo">FreshBite Café</div>

            <ul class="nav-links">

                <li><a href="#home">Home</a></li>

                <li><a href="#about">About</a></li>

                <li><a href="#menu">Menu</a></li>

                <li><a href="#contact">Contact</a></li>

            </ul>

        </nav>

    </header>
```

<section id="home" class="hero">

<h1>Welcome to FreshBite Café</h1>

<p>Delicious, Organic & Fresh Food Made with Love</p>

</section>

<section id="about" class="section">

<h2>About Us</h2>

<p>At FreshBite Café, we serve homemade meals made with organic ingredients sourced from local farms. Whether you're craving a fresh salad or a hearty sandwich, we've got you covered!</p>

</section>

<section id="menu" class="section">

<h2>Our Menu</h2>

<ul class="menu-list">

Avocado Toast - ₹150

Veggie Wrap - ₹120

Green Smoothie - ₹100

Cold Brew Coffee - ₹90

</section>

<section id="contact" class="section">

<h2>Contact Us</h2>

<p>Email: hello@freshbitecafe.com</p>

<p>Phone: +91 98765 43210</p>

<p>Location: 123 Green Street, Bangalore, India</p>

</section>

<footer>

<p>© 2025 FreshBite Café. All rights reserved.</p>

</footer>

</body>

</html>

STYLE.CSS

```
* {  
  
    margin: 0;  
  
    padding: 0;  
  
    box-sizing: border-box;  
  
    font-family: 'Segoe UI', sans-serif;  
  
}
```

```
body {  
  
    background-color: #fffdf7;  
  
    color: #333;  
  
    line-height: 1.6;  
  
}
```

```
header {
```



```
background-color: #6ab04c;

padding: 1rem 2rem;

position: sticky;

top: 0;

z-index: 1000;

}
```

```
.navbar {

  display: flex;

  justify-content: space-between;

  align-items: center;

}
```

```
.logo {

  font-size: 1.8rem;

  color: white;

  font-weight: bold;

}
```

```
.nav-links {

  list-style: none;

  display: flex;

  gap: 1.5rem;

}
```

```
.nav-links a {
```

```
text-decoration: none;

color: white;

font-size: 1rem;

transition: color 0.3s;

}
```

```
.nav-links a:hover {

  color: #f6e58d;

}
```

```
.hero {

  background: url('https://images.unsplash.com/photo-1556911220-e15b29be8c8f') no-
repeat centercenter/cover;

  color: white;

  height: 70vh;

  display: flex;

  flex-direction: column;

  justify-content: center;

  align-items: center;

  text-align: center;

  padding: 2rem;

}
```

```
.hero h1 {

  font-size: 3rem;

  margin-bottom: 1rem;

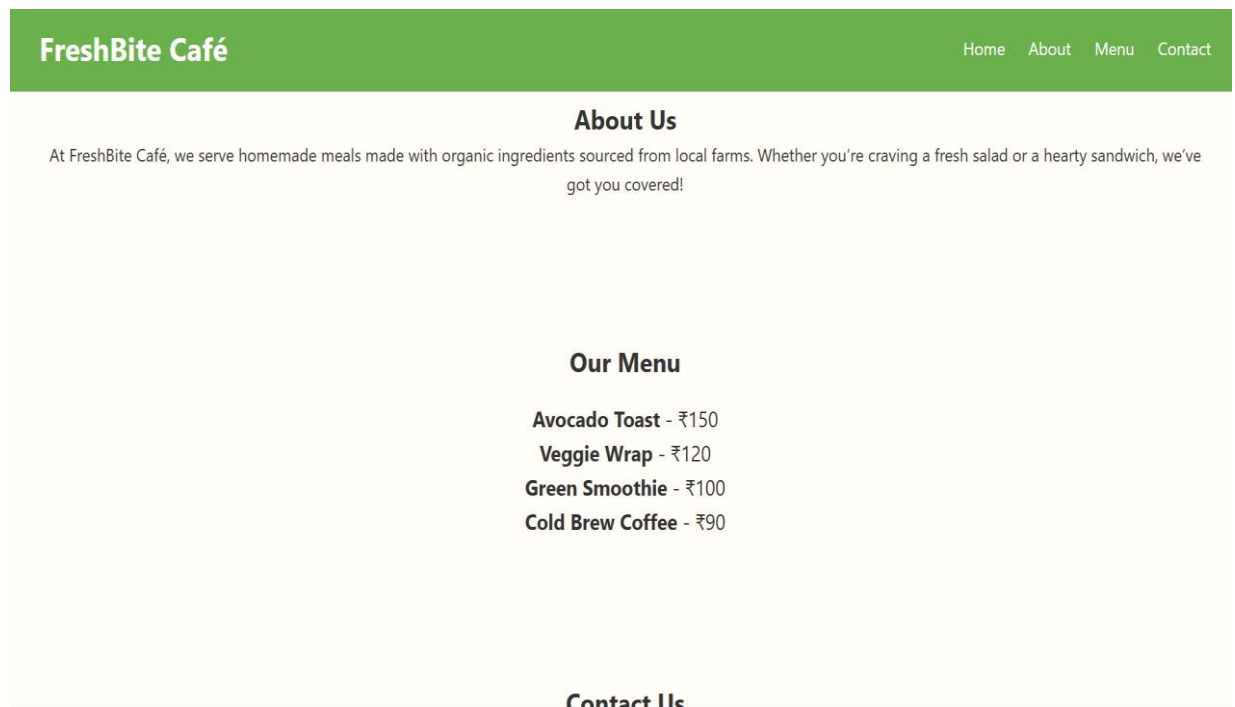
}
```

```
.section {  
    padding: 4rem 2rem;  
    text-align: center;  
}
```

```
.menu-list {  
    list-style: none;  
    padding: 0;  
    font-size: 1.2rem;  
    margin-top: 1rem;  
}
```

```
footer {  
    background-color: #6ab04c;  
    color: white;  
    text-align: center;  
    padding: 1rem;  
    margin-top: 2rem;  
}
```

OUTPUT :



RESULT :

Thus the above program executed and the output is verified successfully.

ExNo:2	Create a Web Page and implement Java Script Functions
Date:	

AIM :

To create a web tool that processes input text by converting it to lowercase, removing punctuation, and tokenizing it into individual words.

ALGORITHM :

Step 1 :Initialize Interface: Design the user interface with input (textarea), trigger (button), and output sections.

Step 2 : Style Interface: Apply styles to improve layout, readability, and user experience.

Step 3 :Define Processing Logic: Create a function that triggers on button click to handle text processing.

Step 4 : Capture & Normalize Input: Retrieve user input and convert it to lowercase for uniformity.

Step 5 :Clean & Tokenize Text: Remove punctuation using regular expressions and split the cleaned text into individual words (tokens).

Step 6 :Output Results: Display the processed versions—lowercase text, punctuation-free text, and tokenized words—in their respective output sections.

PROGRAM :

```
<!DOCTYPE html>
```

```
<html lang="en">
```

<head>

<meta charset="UTF-8">

<title>Text Processor</title>

<style>

body { font-family: Arial, sans-serif; padding: 30px; max-width: 700px; margin: auto; }

textarea{ width: 100%; height: 100px; font-size: 16px; }

button { margin-top: 10px; padding: 10px 20px; font-size: 16px; }

.output { margin-top: 20px; }

.output h3 { margin-bottom: 5px; }

.output pre { background: #f5f5f5; padding: 10px; border-radius: 5px; }

</style>

</head>

<body>

<h1>Text Processing Tool</h1>

<textarea id="inputText" placeholder="Enter your text here..."></textarea>

<button onclick="processText()">Process</button>

```
<div class="output">
```

```
<h3>Lowercase Text:</h3>
```

```
<pre id="lowercaseText"></pre>
```

```
<h3>Text Without Punctuation:</h3>
```

```
<pre id="noPunctuationText"></pre>
```

```
<h3>Tokenized Words:</h3>
```

```
<pre id="tokenizedText"></pre>
```

```
</div>
```

```
<script>
```

```
function processText() {
```

```
const text = document.getElementById("inputText").value;
```

```
    // Convert to lowercase
```

```
const lower = text.toLowerCase();
```

```
document.getElementById("lowercaseText").textContent = lower;
```

```
    // Remove punctuation using regex
```

```
const noPunctuation = lower.replace(/[.,\#!$%^\&\*;,{}\}=\-_`~()?"'/g, "");
```

```
document.getElementById("noPunctuationText").textContent = noPunctuation;
```

```
// Tokenize into words (split by spaces)

const tokens = noPunctuation.split(/\s+/).filter(word =>word.length> 0);

document.getElementById("tokenizedText").textContent = JSON.stringify(tokens, null, 2);

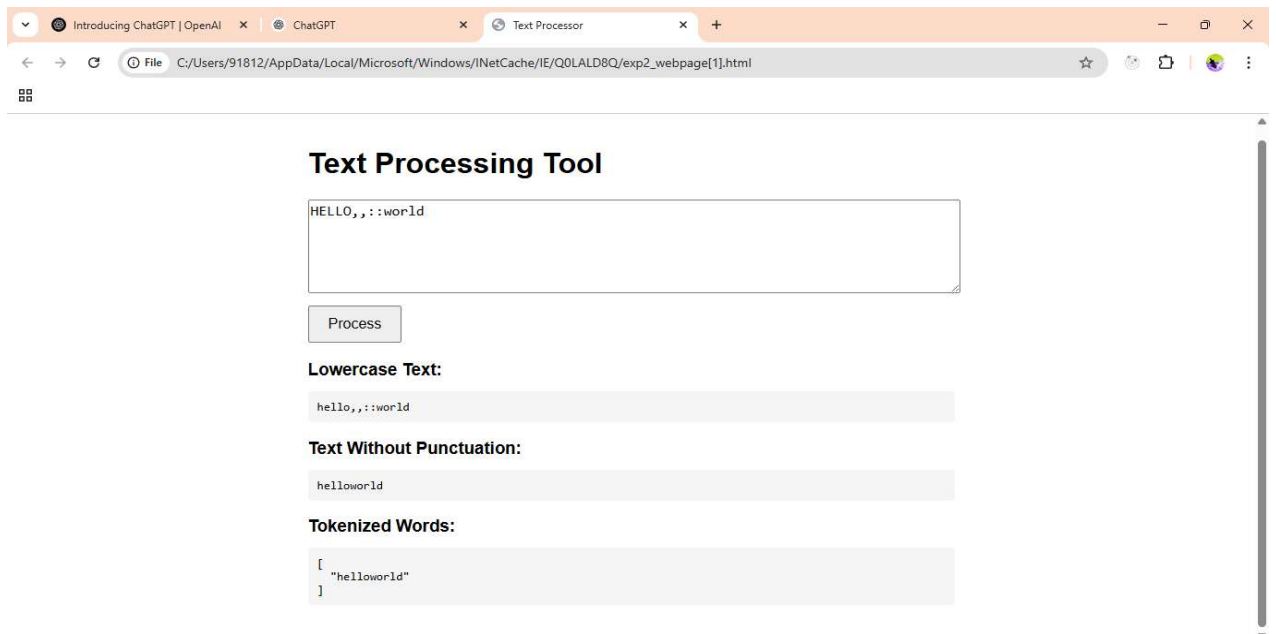
}

</script>

</body>

</html>
```

OUTPUT:



RESULT:

Thus the above program executed and the output is verified successfully.

ExNo:3	Build a Web Application using Sentimental Analysis API
Date:	

AIM :

To detect and display the sentiment (positive, negative, or neutral) of user-input text using Google Cloud Natural Language API.

ALGORITHM :

Step 1 :Input Collection: Accept user input text from the HTML <textarea> on the webpage.

Step 2 :Send Request: On clicking “Analyze”, send the input to the backend via a POST request.

Step 3 :Process with API: Backend uses Google Cloud Natural Language API to analyze sentiment of the text.

Step 4 :Evaluate Sentiment: Based on the returned sentiment score, classify the result as positive, negative, or neutral.

Step 5 :Display Output: Send the result back to the frontend and display the sentiment and score on the webpage.

CODING :

Front End Code :

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
<meta charset="UTF-8">
```

```
<title>Sentiment Analyzer</title>
```

```
<style>
```

```
  body {  
  
    font-family: Arial, sans-serif;  
  
    max-width: 600px;  
  
    margin: 2rem auto;  
  
  }
```

```
  textarea {  
  
    width: 100%;  
  
    height: 100px;  
  
    margin-bottom: 1rem;  
  
  }
```

```
  button {  
  
    padding: 10px 15px;  
  
    font-size: 16px;  
  
  }
```

```
  #result {  
  
    margin-top: 1rem;  
  
    font-size: 18px;  
  
  }
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<h1>Sentiment Analysis</h1>
```

<p>Type your text below to analyze its sentiment:</p>

<textarea id="userText" placeholder="Enter your text here..."></textarea>

<button onclick="analyzeSentiment()">Analyze</button>

<div id="result"></div>

<script>

```
  async function analyzeSentiment() {
```

```
    const text = document.getElementById('userText').value.trim();
```

```
    const resultDiv = document.getElementById('result');
```

```
    if (!text) {
```

```
      resultDiv.textContent = 'Please enter some text.';
```

```
      return;
```

```
    }
```

```
    resultDiv.textContent = 'Analyzing...';
```

```
    try {
```

```
      const response = await fetch('http://localhost:3000/analyze', {
```

```
        method: 'POST',
```

```
        headers: {
```

```
          'Content-Type': 'application/json'
```

```
        },
```

```
        body: JSON.stringify({ text })
```

```
      });
```

```

    if (!response.ok) {
        throw new Error(`HTTP error! status: ${response.status}`);
    }

const data = await response.json();

resultDiv.innerHTML =
    `<strong>Sentiment:</strong> ${data.sentiment}<br><strong>Score:</strong> ${data.score}`;
    } catch (error) {

resultDiv.textContent = 'Error analyzing sentiment. Please try again later.';

console.error('Fetch error:', error);

    }

    }

</script>

</body>

</html>

```

Back End Code :

```

const express = require('express');

const bodyParser = require('body-parser');

const Sentiment = require('sentiment');

const app = express();

const sentiment = new Sentiment();

app.use(bodyParser.json());

```

```
app.use((req, res, next) => {  
  res.header('Access-Control-Allow-Origin', '*');  
  
  res.header('Access-Control-Allow-Headers', 'Content-Type');  
  
  next();  
});
```

```
app.post('/analyze', (req, res) => {  
  const { text } = req.body;  
  
  if (!text || typeof text !== 'string') {  
    return res.status(400).json({ error: 'Text is required.' });  
  }  
}
```

```
const result = sentiment.analyze(text);
```

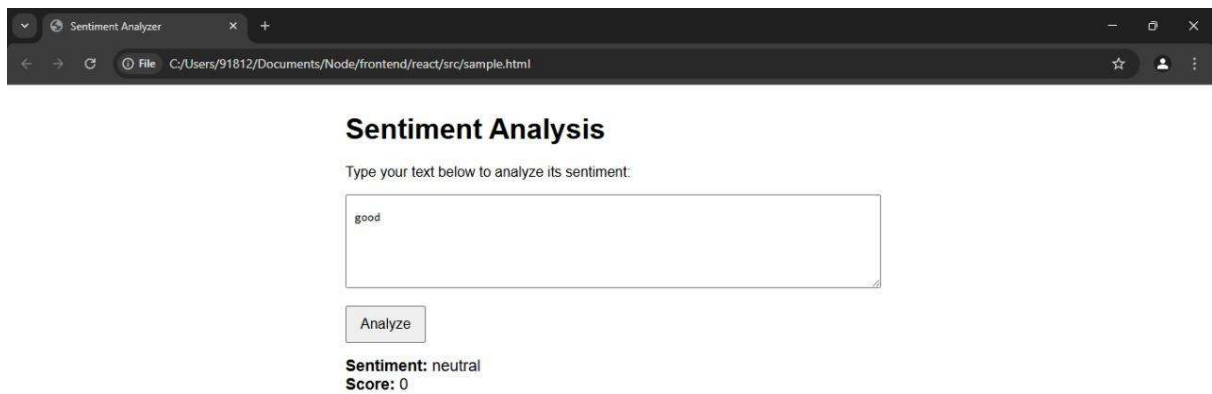
```
let label = 'neutral';  
  
if (result.score > 1) label = 'positive';  
  
else if (result.score < -1) label = 'negative';
```

```
res.json({  
  sentiment: label,  
  score: result.score  
});  
});
```

```
const PORT = process.env.PORT || 3000;
```

```
app.listen(PORT, () => {  
  
  console.log('✅ Local Sentiment API running at http://localhost:${PORT}');  
  
});
```

OUTPUT :



RESULT:

Thus the above program executed and the output is verified successfully.

| | |
|---------------|---|
| ExNo:4 | Build a Web Page that performs Linear Regression |
| Date: | |

AIM :

To implement a simple linear regression model using TensorFlow.js that predicts house prices based on size and visualizes both the training data and the regression line using Chart.js.

ALGORITHM :

Step 1 :Load Libraries: Add TensorFlow.js and Chart.js in HTML.

Step 2 :Define Data: Set house sizes and prices, convert to tensors

Step 3 :Build Model: Create and compile a simple sequential model.

Step 4 :Train Model: Fit the model, logging loss at intervals.

Step 5 :Predict Output: Use the model to predict new values.

Step 6 :Visualize: Plot actual and predicted data using Chart.js.

CODING :

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
<meta charset="UTF-8">
```

```
<title>Linear Regression with TensorFlow.js</title>
```

```
<script src="https://cdn.jsdelivr.net/npm/@tensorflow/tfjs"></script>
```

```
<script src="https://cdn.jsdelivr.net/npm/chart.js"></script>
```

```
<style>
```

```
  body { font-family: Arial, sans-serif; text-align: center; }
```

```
  canvas { max-width: 800px; margin: auto; }
```

```
  h1 { margin-bottom: 20px; }
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<h1>Linear Regression: House Price vs Size</h1>
```

```
<canvas id="chart" width="800" height="400"></canvas>
```

```
<p id="status">Training...</p>
```

```
<script>
```

```
  // Dataset: Size (sqft) vs. Price ($1000s)
```

```
  const sizes = [500, 700, 800, 1000, 1200, 1500];
```

```
  const prices = [150, 200, 210, 250, 300, 330];
```

```
  // Normalize data for training
```

```
  const xs = tf.tensor1d(sizes);
```

```
  const ys = tf.tensor1d(prices);
```

```
  // Create model
```

```
  const model = tf.sequential();
```

```
  model.add(tf.layers.dense({ units: 1, inputShape: [1] }));
```

```
model.compile({ optimizer: 'sgd', loss: 'meanSquaredError' });
```

```
// Train the model
```

```
async function trainModel() {  
  await model.fit(xs, ys, {  
    epochs: 300,  
    callbacks: {  
onEpochEnd: (epoch, logs) => {  
      if (epoch % 50 === 0) {  
console.log(Epoch ${epoch}: loss = ${logs.loss});  
      }  
    }  
  }  
});
```

```
document.getElementById("status").textContent = "Training Complete";
```

```
plot();
```

```
}
```

```
// Predict and plot
```

```
async function plot() {  
const chartData = {  
  datasets: [  
    {  
      label: 'Original Data',
```

```

        data: sizes.map((size, i) =>({ x: size, y: prices[i] })),
backgroundColor: 'blue',
pointRadius: 5
    },
    {
        label: 'Regression Line',
        data: [],
        type: 'line',
borderColor: 'red',
        fill: false,
        tension: 0
    }
]
};

```

```

    // Predict y for x values
constlineX = [400, 1600];
const preds = model.predict(tf.tensor1d(lineX));
constpredYs = await preds.array();

```

```

chartData.datasets[1].data = [
    { x: lineX[0], y: predYs[0] },
    { x: lineX[1], y: predYs[1] }
];

```

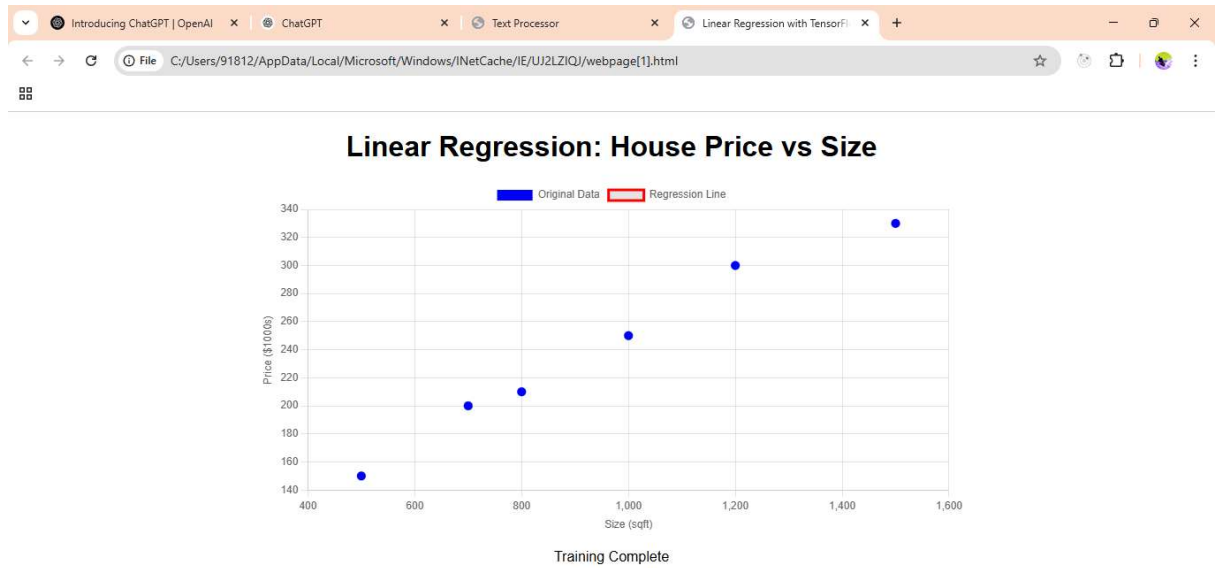
```

    // Draw chart

```

```
new Chart(document.getElementById('chart'), {  
  
  type: 'scatter',  
  
  data: chartData,  
  
  options: {  
  
    scales: {  
  
      x: { title: { display: true, text: 'Size (sqft)' } },  
  
      y: { title: { display: true, text: 'Price ($1000s)' } }  
  
    }  
  
  }  
  
  });  
  
}  
  
trainModel();  
  
</script>  
  
</body>  
  
</html>
```

OUTPUT :



RESULT:

Thus the above program executed and the output is verified successfully.

ExNo:5	Adobe Sensei
Date:	

AIM :

To explore and evaluate the use of Adobe Sensei's Content-Aware Fill feature in Adobe Photoshop for object removal and background extension, and to document the effectiveness of various Content-Aware Fill settings.

ALGORITHM :

Step 1: Open the image in Adobe Photoshop where object removal or background extension is needed.

Step 2: Select the target area using a selection tool (e.g., Lasso Tool or Object Selection Tool).

Step 3: Go to Edit > Content-Aware Fill to open the fill workspace.

Step 4: Adjust settings like Sampling Area, Color Adaptation, and Output to optimize the fill.

Step 5: Click OK to apply the fill, then refine the result if needed using the Healing Brush

CODING :

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
<meta charset="UTF-8">
```

```
<title>Content-Aware Fill (Simulated)</title>
```



```
<style>
```

```
body {
```

```
    font-family: Arial, sans-serif;
```

```
    text-align: center;
```

```
    background: #f0f0f0;
```

```
    margin: 0;
```

```
    padding: 20px;
```

```
}
```

```
h1 {
```

```
    color: #333;
```

```
}
```

```
#canvas {
```

```
    border: 2px solid #444;
```

```
    margin-top: 20px;
```

```
    cursor: crosshair;
```

```
    max-width: 100%;
```

```
}
```

```
#fillButton {
```

```
    margin-top: 20px;
```

padding: 10px 20px;

font-size: 16px;

background-color: #0077cc;

color: white;

border: none;

border-radius: 5px;

cursor: pointer;

}

#fillButton:hover {

background-color: #005fa3;

}

</style>

</head>

<body>

<h1>Content-Aware Fill (Simulated with JavaScript)</h1>

<input type="file" id="upload" accept="image/*" />


```
<canvas id="canvas"></canvas>
```

```
<br />
```

```
<button id="fillButton">Fill Selected Area</button>
```

```
<script>
```

```
const upload = document.getElementById('upload');
```

```
const canvas = document.getElementById('canvas');
```

```
const ctx = canvas.getContext('2d');
```

```
const fillButton = document.getElementById('fillButton');
```

```
let img = new Image();
```

```
let startX, startY, endX, endY;
```

```
let isDrawing = false;
```

```
upload.addEventListener('change', (e) => {
```

```
    const file = e.target.files[0];
```

```
    if (!file) return;
```

```
    const reader = new FileReader();
```

```
reader.onload = function(event) {
```

```
  img.onload = () => {
```

```
    canvas.width = img.width;
```

```
    canvas.height = img.height;
```

```
    ctx.drawImage(img, 0, 0);
```

```
  };
```

```
  img.src = event.target.result;
```

```
};
```

```
reader.readAsDataURL(file);
```

```
});
```

```
canvas.addEventListener('mousedown', (e) => {
```

```
  const rect = canvas.getBoundingClientRect();
```

```
  startX = e.clientX - rect.left;
```

```
  startY = e.clientY - rect.top;
```

```
  isDrawing = true;
```

```
});
```

```
canvas.addEventListener('mouseup', (e) => {
```

```
if (!isDrawing) return;
```

```
const rect = canvas.getBoundingClientRect();
```

```
endX = e.clientX - rect.left;
```

```
endY = e.clientY - rect.top;
```

```
isDrawing = false;
```

```
// Draw selection rectangle
```

```
ctx.strokeStyle = 'red';
```

```
ctx.lineWidth = 2;
```

```
ctx.strokeRect(startX, startY, endX - startX, endY - startY);
```

```
});
```

```
fillButton.addEventListener('click', () => {
```

```
  if (
```

```
    startX === undefined || startY === undefined ||
```

```
    endX === undefined || endY === undefined
```

```
  ) {
```

```
    alert("Please select an area first.");
```

```
    return;
```

```
}
```

```
const width = endX - startX;
```

```
const height = endY - startY;
```

```
if (width === 0 || height === 0) {
```

```
    alert("Invalid selection.");
```

```
    return;
```

```
}
```

```
// Get image data of selected area
```

```
const imageData = ctx.getImageData(startX, startY, width, height);
```

```
const data = imageData.data;
```

```
let r = 0, g = 0, b = 0;
```

```
const pixelCount = data.length / 4;
```

```
for (let i = 0; i < data.length; i += 4) {
```

```
    r += data[i];
```

```
    g += data[i + 1];
```

```
    b += data[i + 2];
```

```
}
```

```
r = Math.floor(r / pixelCount);
```

```
g = Math.floor(g / pixelCount);
```

```
b = Math.floor(b / pixelCount);
```

```
// Fill selected area with average color
```

```
ctx.fillStyle = rgb(`${r}`, `${g}`, `${b}`);
```

```
ctx.fillRect(startX, startY, width, height);
```

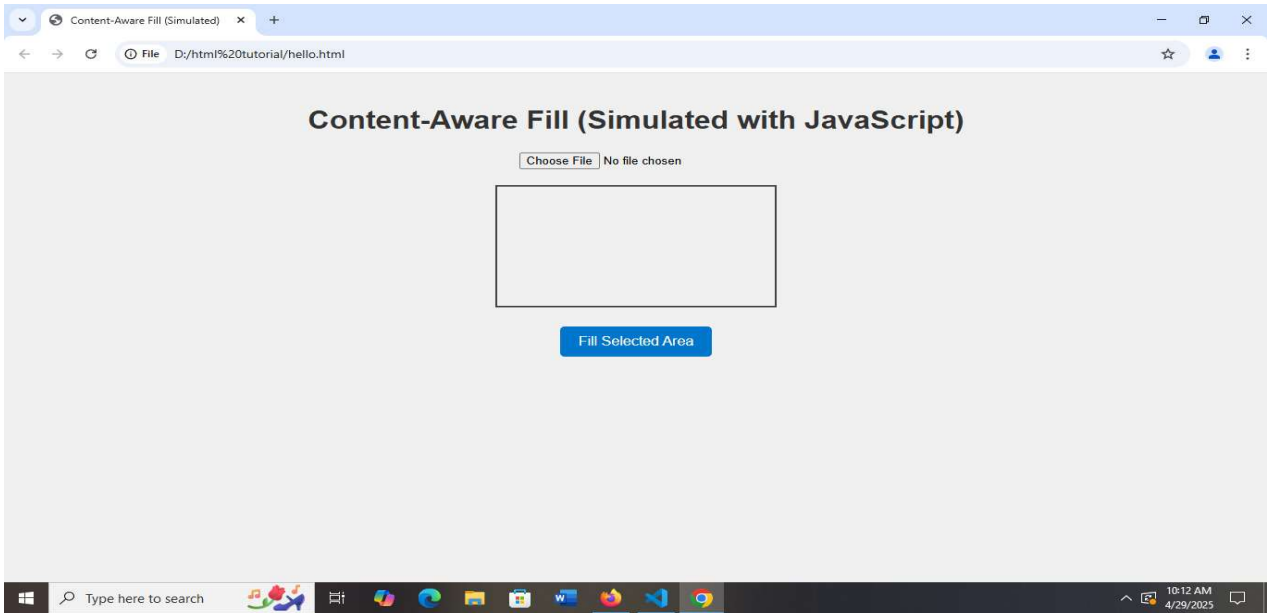
```
});
```

```
</script>
```

```
</body>
```

```
</html>
```

OUTPUT:



RESULT:

Thus the above program executed and the output is verified successfully.