**Practical 19**

**AIM:**

**Email Subscription**

**CODE:**

const express = require("express");

const nodemailer = require("nodemailer");

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

const app = express();

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

// Middleware for parsing JSON and form data

app.use(bodyParser.urlencoded({ extended: false }));

app.use(bodyParser.json());

// Setup Nodemailer with your email service provider's SMTP details

const transporter = nodemailer.createTransport({

  service: "Gmail", // Example: 'Gmail'

  auth: {

    user: "kush02032004@gmail.com",

    pass: "jhss fhll juvg knjx",

  },

});

// Serve a simple HTML form for email subscription

app.get("/", (req, res) => {

  res.send(`

    <h1>Email Subscription</h1>

    <form method="POST" action="/subscribe">

      <label>Email:</label>

      <input type="email" name="email" required>

      <button type="submit">Subscribe</button>

    </form>

  `);

});

// Handle POST request to subscribe

app.post("/subscribe", (req, res) => {

  const email = req.body.email;

  // Create email message

  const mailOptions = {

    from: "YourEmailAddress",

    to: email,

    subject: "Welcome to Our Newsletter",

    text: "Thank you for subscribing to our newsletter!",

  };

  // Send the email

  transporter.sendMail(mailOptions, (error, info) => {

    if (error) {

      console.error(error);

      res.status(500).send("Subscription failed. Please try again later.");

    } else {

      console.log("Email sent: " + info.response);

      res

        .status(200)

        .send("Subscription successful! Check your email for confirmation.");

    }

  });

});

// Start the server

app.listen(PORT, () => {

  console.log(`Server is running on port ${PORT}`);

});

**OUTPUT:**





