**Web tech lab 8**

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**Program:**

Server.js

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| const express = require('express') const app = express() const mongoose = require('mongoose')    mongoose.connect('mongodb://localhost:27017/student', { useNewUrlParser: true }) const db = mongoose.connection db.on('error', (error) => console.error(error)) db.once('open', () => console.log('Connected to Database'))    app.use(express.json())    const studentSchema = new mongoose.Schema({ name: String, age: Number, grade: String,  });    const Student = mongoose.model('Student', studentSchema);    app.get('/students', async (req, res) => { try {  const students = await Student.find(); res.json(students); } catch (error) { res.status(500).json({ error: error.message });  }  });    app.post('/students', async (req, res) => { |

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| const { name, age, grade } = req.body;  try {  const newStudent = new Student({ name, age, grade }); await newStudent.save(); res.json(newStudent);  } catch (error) { res.status(500).json({ error: error.message });  }  });    app.put('/students/:id', async (req, res) => { const { id } = req.params; const { name, age, grade } = req.body;  try {  const updatedStudent = await Student.findByIdAndUpdate( id,  { name, age, grade },  { new: true } // Return the updated document  );    if (!updatedStudent) { return res.status(404).json({ error: 'Student not found' });  }    res.json(updatedStudent);  } catch (error) { res.status(500).json({ error: error.message });  }  });    app.delete('/students/:id', async (req, res) => { const { id } = req.params;  try {  const deletedStudent = await Student.findByIdAndDelete(id);    if (!deletedStudent) { return res.status(404).json({ error: 'Student not found' }); |
| }    res.json({ message: 'Student deleted successfully' });  } catch (error) { res.status(500).json({ error: error.message });  }  });    app.listen(3000, () => console.log('Server Started')) |

**Output:**







