

Index.js:

```
const express = require('express');
const app = express();
const PORT = 3000;

// pacMUST be before routes
app.use(express.json());

const studentRoutes = require('./routes/studentRoutes');
app.use('/students', studentRoutes);

app.listen(PORT, () => {
  console.log(`Server running on port ${PORT}`);
});
```

studentRoutes.js

```
const express = require('express');
const router = express.Router();

// In-memory student data
let students = [
  { id: 1, name: "Arun", dept: "CSE", age: 23 },
  { id: 2, name: "Bala", dept: "CSE", age: 23 }
];

// READ - Get all students
router.get('/', (req, res) => {
  res.json(students);
});
```

// CREATE - Add single student

```
router.post('/', (req, res) => {  
  const { name, dept, age } = req.body;  
  if (!name || !dept || !age) {  
    return res.status(400).json({ message: "All fields are required" });  
  }  
  const id = students.length ? students[students.length - 1].id + 1 : 1;  
  const newStudent = { id, name, dept, age };  
  students.push(newStudent);  
  res.status(201).json(newStudent);  
});
```

// BULK ADD - Add multiple students

```
router.post('/bulk', (req, res) => {  
  const newStudents = req.body; // expect an array of students  
  if (!Array.isArray(newStudents)) {  
    return res.status(400).json({ message: "Send an array of students" });  
  }  

```

```
  newStudents.forEach(student => {  
    const id = students.length ? students[students.length - 1].id + 1 : 1;  
    students.push({ id, ...student });  
  });
```

```
  res.status(201).json(students);  
});
```

// UPDATE student

```
router.put('/:id', (req, res) => {  
  const id = parseInt(req.params.id);  
  const student = students.find(s => s.id === id);  
  if (!student) {  
    return res.status(404).json({ message: "Student not found" });  
  }  
}
```

```
  const { name, dept, age } = req.body;  
  if (name) student.name = name;  
  if (dept) student.dept = dept;  
  if (age) student.age = age;  
  
  res.json(student);  
});
```

```
// DELETE student  
router.delete('/:id', (req, res) => {  
  const id = parseInt(req.params.id);  
  students = students.filter(s => s.id !== id);  
  res.json({ message: "Student deleted" });  
});
```

```
module.exports = router;
```

package-lock.json:

```
{  
  "name": "student-managmentapp",  
  "version": "1.0.0",  
  "lockfileVersion": 3,
```

```
"requires": true,
"packages": {
  "": {
    "name": "student-managmentapp",
    "version": "1.0.0",
    "license": "ISC",
    "dependencies": {
      "express": "^5.2.1"
    }
  },
  "node_modules/accepts": {
    "version": "2.0.0",
    "resolved": "https://registry.npmjs.org/accepts/-/accepts-2.0.0.tgz",
    "integrity": "sha512-5e0+aeDfC2U875c7e+uIoqxZG2K1B9Ui/Rjy1jGdDGf4+VHfJ9Q9XWZKXU0A9WdDQHW087XoYwTjLW0BKA==",
    "license": "MIT",
    "dependencies": {
      "mime-types": "^3.0.0",
      "negotiator": "^1.0.0"
    }
  },
  "engines": {
    "node": ">= 0.6"
  }
},
"node_modules/body-parser": {
  "version": "2.2.1",
  "resolved": "https://registry.npmjs.org/body-parser/-/body-parser-2.2.1.tgz",
```

```
"integrity": "sha512-
nfDwkulwiZYQIGwx dy0RUmowMhKcFVcYXUU7m4QIKYim1rUtg83xm2yjZ40QjDuc
291AJjeSc9b++AWHSgSHw==",
```

```
"license": "MIT",
```

```
"dependencies": {
```

```
  "bytes": "^3.1.2",
```

```
  "content-type": "^1.0.5",
```

```
  "debug": "^4.4.3",
```

```
  "http-errors": "^2.0.0",
```

```
  "iconv-lite": "^0.7.0",
```

```
  "on-finished": "^2.4.1",
```

```
  "qs": "^6.14.0",
```

```
  "raw-body": "^3.0.1",
```

```
  "type-is": "^2.0.1"
```

```
},
```

```
"engines": {
```

```
  "node": ">=18"
```

```
},
```

```
"funding": {
```

```
  "type": "opencollective",
```

```
  "url": "https://opencollective.com/express"
```

```
}
```

```
},
```

```
"node_modules/bytes": {
```

```
  "version": "3.1.2",
```

```
  "resolved": "https://registry.npmjs.org/bytes/-/bytes-3.1.2.tgz",
```

```
  "integrity": "sha512-
/Nf7TyztX6S3yRJOboOAV7956r8cr2+Oj8AC5dt8wSP3BQAoeX58NoHyCU8P8zGkN
XStjTSi6fzO6F0pBdcYbEg==",
```

```
  "license": "MIT",
```

```
"engines": {
  "node": ">= 0.8"
},
"node_modules/call-bind-apply-helpers": {
  "version": "1.0.2",
  "resolved": "https://registry.npmjs.org/call-bind-apply-helpers/-/call-bind-apply-helpers-1.0.2.tgz",
  "integrity": "sha512-CuozW6xLrIHgNjnp/3y68oT6TJDUoR1T1Uqiz5gNnd10Xqy0b91mF6ay1J943z/NxRYbDk/hGz8hWzZUCVw==",
  "license": "MIT",
  "dependencies": {
    "es-errors": "^1.3.0",
    "function-bind": "^1.1.2"
  },
  "engines": {
    "node": ">= 0.4"
  },
  "node_modules/call-bound": {
    "version": "1.0.4",
    "resolved": "https://registry.npmjs.org/call-bound/-/call-bound-1.0.4.tgz",
    "integrity": "sha512-+ys997U96po4Kx/ABpBCqhA9EuxJaQWDQg7295H4hBphv3lZg0boBKuwYpt4YXp6MZ5AmZQnU/tyMTIRpaSejg==",
    "license": "MIT",
    "dependencies": {
      "call-bind-apply-helpers": "^1.0.2",
      "get-intrinsic": "^1.3.0"
    },
  },
}
```

```
"engines": {
  "node": ">= 0.4"
},
"funding": {
  "url": "https://github.com/sponsors/ljharb"
},
"node_modules/content-disposition": {
  "version": "1.0.1",
  "resolved": "https://registry.npmjs.org/content-disposition/-/content-disposition-1.0.1.tgz",
  "integrity": "sha512-oXilU1C0X001Dl82D1D3K3W1WU303h0aP811zD3L12H577W8k/9T1WY015iG70L/cU3133nD1Z5+5qA==",
  "license": "MIT",
  "engines": {
    "node": ">=18"
  },
  "funding": {
    "type": "opencollective",
    "url": "https://opencollective.com/express"
  },
"node_modules/content-type": {
  "version": "1.0.5",
  "resolved": "https://registry.npmjs.org/content-type/-/content-type-1.0.5.tgz",
  "integrity": "sha512-68+024M98LEKtq7K0D43Gxh9I5DpS3GkCGu6U6iKqHk6O4o9ozYVtkkU6ue4vXoPJP4F60WY1q8wO4I7Eg==",
  "license": "MIT",
  "engines": {
```

```
    "node": ">= 0.6"
  }
},
"node_modules/cookie": {
  "version": "0.7.2",
  "resolved": "https://registry.npmjs.org/cookie/-/cookie-0.7.2.tgz",
  "integrity": "sha512-yki5XnKuf750l50uGTlIt6kKILY4nQ1eNIQatoXEBYZ5dWgnKqbnqmTrBE5B4N7lrMJKQ2ytWMiTO2o0v6Ew/w==",
  "license": "MIT",
  "engines": {
    "node": ">= 0.6"
  }
},
"node_modules/cookie-signature": {
  "version": "1.2.2",
  "resolved": "https://registry.npmjs.org/cookie-signature/-/cookie-signature-1.2.2.tgz",
  "integrity": "sha512-D76uU73ulSXrD1UXF4KE2TMxVVwhsnCgfAyTg9k8P6KGZjIXKrOLe4dJQKI3Bxi5wj esZoFXJWEINWBjPZMbhg==",
  "license": "MIT",
  "engines": {
    "node": ">=6.6.0"
  }
},
"node_modules/debug": {
  "version": "4.4.3",
  "resolved": "https://registry.npmjs.org/debug/-/debug-4.4.3.tgz",
```



```
  "integrity": "sha512-
RGwwWnwQvkVfavKVt22FGLw+xYSdzARwm0ru6DhTVA3umU5hZc28V3kO4stgYr
yrTILpuvgl9GiiJltAjNbcqA==",
```

```
  "license": "MIT",
```

```
  "dependencies": {
```

```
    "ms": "^2.1.3"
```

```
  },
```

```
  "engines": {
```

```
    "node": ">=6.0"
```

```
  },
```

```
  "peerDependenciesMeta": {
```

```
    "supports-color": {
```

```
      "optional": true
```

```
    }
```

```
  }
```

```
},
```

```
"node_modules/depd": {
```

```
  "version": "2.0.0",
```

```
  "resolved": "https://registry.npmjs.org/depd/-/depd-2.0.0.tgz",
```

```
  "integrity": "sha512-
g7nH6P6dyDioJogAAGprGpCtVImJhpPk/roCzdb3flh61/s/nPsfR6onyMwkCAR/OIC3
yBC0IESvUoQEAsslrw==",
```

```
  "license": "MIT",
```

```
  "engines": {
```

```
    "node": ">= 0.8"
```

```
  }
```

```
},
```

```
"node_modules/dunder-proto": {
```

```
  "version": "1.0.1",
```

```
  "resolved": "https://registry.npmjs.org/dunder-proto/-/dunder-proto-1.0.1.tgz",
```

```
"integrity": "sha512-KIN/nDJBQRcXw0MLVhZE9iQHmG68qAVIBg9CqmUYjmQlhgij9U5MFvrqkUL5FbtyyzZuOeOt0zdeRe4UY7ct+A==",
```

```
"license": "MIT",
```

```
"dependencies": {
```

```
  "call-bind-apply-helpers": "^1.0.1",
```

```
  "es-errors": "^1.3.0",
```

```
  "gopd": "^1.2.0"
```

```
},
```

```
"engines": {
```

```
  "node": ">= 0.4"
```

```
}
```

```
},
```

```
"node_modules/ee-first": {
```

```
  "version": "1.1.1",
```

```
  "resolved": "https://registry.npmjs.org/ee-first/-/ee-first-1.1.1.tgz",
```

```
  "integrity": "sha512-WMwm9LhRUo+WUaRN+vRuETqG89IgZphVSNkdfgeb6sS/E4OrDIN7t48CAewSH
```

```
Xc6C8lefD8KKfr5vY61brQlow==",
```

```
  "license": "MIT"
```

```
},
```

```
"node_modules/encodeurl": {
```

```
  "version": "2.0.0",
```

```
  "resolved": "https://registry.npmjs.org/encodeurl/-/encodeurl-2.0.0.tgz",
```

```
  "integrity": "sha512-sha512-
```

```
Q0n9HRi4m6JuGIV1eFlmvJB7ZEVxu93lrMyiMsGC0lrMJMWzRgx6WGquyfQgZVb31vhGgXnfmPNNXmxnOkRBrg==",
```

```
  "license": "MIT",
```

```
  "engines": {
```

```
    "node": ">= 0.8"
```

```
}
```

```

},
"node_modules/es-define-property": {
  "version": "1.0.1",
  "resolved": "https://registry.npmjs.org/es-define-property/-/es-define-property-1.0.1.tgz",
  "integrity": "sha512-e3nRfgfUZ4rNGL232gUgX06QNyyez04KdjFrF+LTRoOXmrOgFKDg4BCdsjW8EnT69eqdYGmRpJwiPVYNrCaW3g==",
  "license": "MIT",
  "engines": {
    "node": ">= 0.4"
  }
},
"node_modules/es-errors": {
  "version": "1.3.0",
  "resolved": "https://registry.npmjs.org/es-errors/-/es-errors-1.3.0.tgz",
  "integrity": "sha512-Zf5H2Kxt2xjTvbJvP2ZWLEICxA6j+hAmMzIllypy4xcBg1vKVnx89Wy0GbS+kf5cwCVFZzdCFh2XSCFNULS6csw==",
  "license": "MIT",
  "engines": {
    "node": ">= 0.4"
  }
},
"node_modules/es-object-atoms": {
  "version": "1.1.1",
  "resolved": "https://registry.npmjs.org/es-object-atoms/-/es-object-atoms-1.1.1.tgz",
  "integrity": "sha512-FGgH2h8zKNim9Ijj7dankFPcIClK9Cp5bm+c2gQSYePhpaG5+esrLODihlorn+Pe6FGJzWhXQotPv73jTaldXA==",
  "license": "MIT",

```

```
"dependencies": {
  "es-errors": "^1.3.0"
},
"engines": {
  "node": ">= 0.4"
}
},
"node_modules/escape-html": {
  "version": "1.0.3",
  "resolved": "https://registry.npmjs.org/escape-html/-/escape-html-1.0.3.tgz",
  "integrity": "sha512-S0w733V3wq351qazq2XxYDABOX1yZd1g3Dx1Imh1uvs2G1Tq8o738kzLWz0Cv0PHp3U8zL103U8iX8z8w==",
  "license": "MIT"
},
"node_modules/etag": {
  "version": "1.8.1",
  "resolved": "https://registry.npmjs.org/etag/-/etag-1.8.1.tgz",
  "integrity": "sha512-a476Nw2/STOoBjGFdpc6ypYqXVFgqP42ZmPge5t8S8Rqd7K5UUjNVfrnZVl/VHrHhGPgmrnnkxvPJWRFN6Dn==",
  "license": "MIT",
  "engines": {
    "node": ">= 0.6"
  }
},
"node_modules/express": {
  "version": "5.2.1",
  "resolved": "https://registry.npmjs.org/express/-/express-5.2.1.tgz",
```

"integrity": "sha512-hIS4idWWai69NezIdRt2xFVofaF4j+6INOpJlVOLDO8zXGpUVEVzIYk12UUi2JzjEzWL3IOAxcTubgz9Po0yXw==",

"license": "MIT",

"dependencies": {

"accepts": "^2.0.0",

"body-parser": "^2.2.1",

"content-disposition": "^1.0.0",

"content-type": "^1.0.5",

"cookie": "^0.7.1",

"cookie-signature": "^1.2.1",

"debug": "^4.4.0",

"depd": "^2.0.0",

"encodeurl": "^2.0.0",

"escape-html": "^1.0.3",

"etag": "^1.8.1",

"finalhandler": "^2.1.0",

"fresh": "^2.0.0",

"http-errors": "^2.0.0",

"merge-descriptors": "^2.0.0",

"mime-types": "^3.0.0",

"on-finished": "^2.4.1",

"once": "^1.4.0",

"parseurl": "^1.3.3",

"proxy-addr": "^2.0.7",

"qs": "^6.14.0",

"range-parser": "^1.2.1",

"router": "^2.2.0",

"send": "^1.1.0",

"serve-static": "^2.2.0",

```
"statuses": "^2.0.1",
"type-is": "^2.0.1",
"vary": "^1.1.2"
},
"engines": {
  "node": ">= 18"
},
"funding": {
  "type": "opencollective",
  "url": "https://opencollective.com/express"
}
},
"node_modules/finalhandler": {
  "version": "2.1.1",
  "resolved": "https://registry.npmjs.org/finalhandler/-/finalhandler-2.1.1.tgz",
  "integrity": "sha512-S8KoZgRZN+a5rNwqTxlZZePjT/4cnm0ROV70LedRHZ0p8u9fRID0hJUZQpkKLzro8LfmC8sx23bY6tVNxv8pQA==",
  "license": "MIT",
  "dependencies": {
    "debug": "^4.4.0",
    "encodeurl": "^2.0.0",
    "escape-html": "^1.0.3",
    "on-finished": "^2.4.1",
    "parseurl": "^1.3.3",
    "statuses": "^2.0.1"
  },
  "engines": {
    "node": ">= 18.0.0"
  },
}
```

```
"funding": {
  "type": "opencollective",
  "url": "https://opencollective.com/express"
},
"node_modules/forwarded": {
  "version": "0.2.0",
  "resolved": "https://registry.npmjs.org/forwarded/-/forwarded-0.2.0.tgz",
  "integrity": "sha512-buRG0fpBtRHSTCOASe6hD258tEubFoRLb4ZNA6NxMVHNw2gOcwHo9wyablzMzOA5z9xA9L1KNjk/Nt6MT9aYow==",
  "license": "MIT",
  "engines": {
    "node": ">= 0.6"
  }
},
"node_modules/fresh": {
  "version": "2.0.0",
  "resolved": "https://registry.npmjs.org/fresh/-/fresh-2.0.0.tgz",
  "integrity": "sha512-Rx/WycZ60HOaqLKAi6cHRKKI7zxWbJ31MhntmtwMoaTeF7XFH9hhBp8vITaMidfljRQ6eYWCKkaTK+ykVJHP2A==",
  "license": "MIT",
  "engines": {
    "node": ">= 0.8"
  }
},
"node_modules/function-bind": {
  "version": "1.1.2",
  "resolved": "https://registry.npmjs.org/function-bind/-/function-bind-1.1.2.tgz",
```

```
"integrity": "sha512-
7XHNxH7qX9xG5mlwxkhumTox/MIRNcOgDrxWsMt2pAr23WHp6MrRIN7FBSFpCpr
+oVO0F744iUgR82nJMfG2SA==",
  "license": "MIT",
  "funding": {
    "url": "https://github.com/sponsors/ljharb"
  }
},
"node_modules/get-intrinsic": {
  "version": "1.3.0",
  "resolved": "https://registry.npmjs.org/get-intrinsic/-/get-intrinsic-1.3.0.tgz",
  "integrity": "sha512-
9fSjSaos/fRIVlp+xSJIE6lfwhES7LNtKaCBlamHsjr2na1BiABJPo0mOjjz8GJDURarm
CPGqaiVg5mfjb98CQ==",
  "license": "MIT",
  "dependencies": {
    "call-bind-apply-helpers": "^1.0.2",
    "es-define-property": "^1.0.1",
    "es-errors": "^1.3.0",
    "es-object-atoms": "^1.1.1",
    "function-bind": "^1.1.2",
    "get-proto": "^1.0.1",
    "gopd": "^1.2.0",
    "has-symbols": "^1.1.0",
    "hasown": "^2.0.2",
    "math-intrinsics": "^1.1.0"
  },
  "engines": {
    "node": ">= 0.4"
  },
}
```



```
"funding": {
  "url": "https://github.com/sponsors/ljharb"
},
"node_modules/get-proto": {
  "version": "1.0.1",
  "resolved": "https://registry.npmjs.org/get-proto/-/get-proto-1.0.1.tgz",
  "integrity": "sha512-sTSfBjoXBp89JvIKIefqw7U2CCebSc74kiY6awiGogKtoSGbgjYE/G/+I9sF3MWFPNc9lcoOC4ODfKHfXmp0g==",
  "license": "MIT",
  "dependencies": {
    "dunder-proto": "^1.0.1",
    "es-object-atoms": "^1.0.0"
  },
  "engines": {
    "node": ">= 0.4"
  },
"node_modules/gopd": {
  "version": "1.2.0",
  "resolved": "https://registry.npmjs.org/gopd/-/gopd-1.2.0.tgz",
  "integrity": "sha512-1W5ISyKp1yQuKU26cBk1geI7l8kZ087hQu83xH8pxYkNIWJt3zQxkiCwqkNjsgnAOxQgH4Eqo/4r8Dcu8g==",
  "license": "MIT",
  "engines": {
    "node": ">= 0.4"
  },
  "funding": {
```

```
    "url": "https://github.com/sponsors/ljharb"
  }
},
"node_modules/has-symbols": {
  "version": "1.1.0",
  "resolved": "https://registry.npmjs.org/has-symbols/-/has-symbols-1.1.0.tgz",
  "integrity": "sha512-1cDNdwJ2Jaohmb3sg4OmKaMBwuC48sYni5HUw2DvsC8LjGTLK9h+eb1X6RyuOH
e4hT0ULCW68iomhjUoKUqIPQ==",
  "license": "MIT",
  "engines": {
    "node": ">= 0.4"
  },
  "funding": {
    "url": "https://github.com/sponsors/ljharb"
  }
},
"node_modules/hasown": {
  "version": "2.0.2",
  "resolved": "https://registry.npmjs.org/hasown/-/hasown-2.0.2.tgz",
  "integrity": "sha512-1h3HludnKgMvIku6WPKJRm3AaKzb4u74VlW3EU0o62uyFuH+c2YxJldkgeuW7Q7E4w76yJneP/4X99n6Z+g==",
  "license": "MIT",
  "dependencies": {
    "function-bind": "^1.1.2"
  },
  "engines": {
    "node": ">= 0.4"
  }
}
```

```

},
"node_modules/http-errors": {
  "version": "2.0.1",
  "resolved": "https://registry.npmjs.org/http-errors/-/http-errors-2.0.1.tgz",
  "integrity": "sha512-4FbRdAX+bSdmo4AUFuS0WNPz8NgFt+r8ThgNWmlrjQjt1Q7ZR9+zTlce2859x4KSXrwlsaeTqDoKQmtP8pLmQ==",
  "license": "MIT",
  "dependencies": {
    "depd": "~2.0.0",
    "inherits": "~2.0.4",
    "setprototypeof": "~1.2.0",
    "statuses": "~2.0.2",
    "toidentifier": "~1.0.1"
  },
  "engines": {
    "node": ">= 0.8"
  },
  "funding": {
    "type": "opencollective",
    "url": "https://opencollective.com/express"
  }
},
"node_modules/iconv-lite": {
  "version": "0.7.1",
  "resolved": "https://registry.npmjs.org/iconv-lite/-/iconv-lite-0.7.1.tgz",
  "integrity": "sha512-4FbRdAX+bSdmo4AUFuS0WNPz8NgFt+r8ThgNWmlrjQjt1Q7ZR9+zTlce2859x4KS0Y0TVio8kKLt5sLE7ZCllw==",
  "license": "MIT",

```

```
"dependencies": {
  "safer-buffer": ">= 2.1.2 < 3.0.0"
},
"engines": {
  "node": ">=0.10.0"
},
"funding": {
  "type": "opencollective",
  "url": "https://opencollective.com/express"
},
"node_modules/inherits": {
  "version": "2.0.4",
  "resolved": "https://registry.npmjs.org/inherits/-/inherits-2.0.4.tgz",
  "integrity": "sha512-iGrSF0IA0YfJAE7LlKXr8uRiJF3s1YmWMA8UzAzZvW55L7vTqoXGmKw7VzH9Bz4xQ51XnWw8JgAtVgWVJw==",
  "license": "ISC"
},
"node_modules/ipaddr.js": {
  "version": "1.9.1",
  "resolved": "https://registry.npmjs.org/ipaddr.js/-/ipaddr.js-1.9.1.tgz",
  "integrity": "sha512-0KI/607xoxSToH7GjN1FfSbLoU0+btTicjsQSWQIh/hZykN8KpmMf7uYwPW3R+akZ6R/w18ZIXSHBYXiYUPO3g==",
  "license": "MIT",
  "engines": {
    "node": ">= 0.10"
  }
},
```

```
"node_modules/is-promise": {
  "version": "4.0.0",
  "resolved": "https://registry.npmjs.org/is-promise/-/is-promise-4.0.0.tgz",
  "integrity": "sha512-11363dOn24VS8y4D9l3p28q4z90Uxn04uY3uH1x3i2L7A+H38jC66xUwE9lTQ1vYQrM8PH3JLI85fZtUw==",
  "license": "MIT"
},
"node_modules/math-intrinsics": {
  "version": "1.1.0",
  "resolved": "https://registry.npmjs.org/math-intrinsics/-/math-intrinsics-1.1.0.tgz",
  "integrity": "sha512-3GzKt2I/5e9GfL1zeZQ8D5KXJv6akbZG55Xz28IzzI0LRQQlUfZJkQg8IgXrTwy/4Vd5zgh26zKl59EG+Pw==",
  "license": "MIT",
  "engines": {
    "node": ">= 0.4"
  }
},
"node_modules/media-typer": {
  "version": "1.1.0",
  "resolved": "https://registry.npmjs.org/media-typer/-/media-typer-1.1.0.tgz",
  "integrity": "sha512-97e4f0889b08f9TJ9c20Tn6ePf6aF10W7ZdNfYmF4aUzCtaUny6AjU1LbV1BQVdUYdF8pU5Vtdbn2if4Sg==",
  "license": "MIT",
  "engines": {
    "node": ">= 0.8"
  }
},
"node_modules/merge-descriptors": {
```

```
"version": "2.0.0",

"resolved": "https://registry.npmjs.org/merge-descriptors/-/merge-descriptors-
2.0.0.tgz",

"integrity": "sha512-
Snk314V5ayFLhp3fkUREub6WtjBfPdCPY1Ln8/8munuLuiYhsABgBVWsozAG+MW
MbVEvcdcpbi9R7ww22l9Q3g==",

"license": "MIT",

"engines": {
  "node": ">=18"
},

"funding": {
  "url": "https://github.com/sponsors/sindresorhus"
}
},

"node_modules/mime-db": {
  "version": "1.54.0",
  "resolved": "https://registry.npmjs.org/mime-db/-/mime-db-1.54.0.tgz",
  "integrity": "sha512-
aU5EJuIN2WDemCcAp2vFBfp/m4EAhWJnUNSSw0ixs7/kXbd6Pg64EmwJkNdFhB8
aWt1sH2CTXrLxo/iAGV3oPQ==",
  "license": "MIT",
  "engines": {
    "node": ">= 0.6"
  }
},

"node_modules/mime-types": {
  "version": "3.0.2",
  "resolved": "https://registry.npmjs.org/mime-types/-/mime-types-3.0.2.tgz",
  "integrity": "sha512-
Lbgzdk0h4juoQ9fCKXW4by0UJqj+nOOrl9MJ1sSj4nl8al2eo1qmvQEie4VD1glsS250
n15LsWsYtCugiStS5A==",
```

```
"license": "MIT",
"dependencies": {
  "mime-db": "^1.54.0"
},
"engines": {
  "node": ">=18"
},
"funding": {
  "type": "opencollective",
  "url": "https://opencollective.com/express"
}
},
"node_modules/ms": {
  "version": "2.1.3",
  "resolved": "https://registry.npmjs.org/ms/-/ms-2.1.3.tgz",
  "integrity": "sha512-6FlzubTLZG3J2a/NVCAleEhJzq5oxgHyaCU9yYXvcLsvoVaHJq/s5xXI6/XXP6tz7R9xAOtHnSO/tXtF3WRTIA==",
  "license": "MIT"
},
"node_modules/negotiator": {
  "version": "1.0.0",
  "resolved": "https://registry.npmjs.org/negotiator/-/negotiator-1.0.0.tgz",
  "integrity": "sha512-6o8sDwUt22h55J07W44i5m1P6A3Bb1DzB52Bn54E8+mnHw0pU6WqthfJ22W35t96oBaqF5vQ86Jg==",
  "license": "MIT",
  "engines": {
    "node": ">= 0.6"
  }
}
```

```

},
"node_modules/object-inspect": {
  "version": "1.13.4",
  "resolved": "https://registry.npmjs.org/object-inspect/-/object-inspect-1.13.4.tgz",
  "integrity": "sha512-W67iL4J2EXEGTbfeHCffrjDfitvLANg0UIX3wFUUSTx92KXRFegMHUVgSqE+wwhA
bi4WqjGg9czysTV2Epbew==",
  "license": "MIT",
  "engines": {
    "node": ">= 0.4"
  },
  "funding": {
    "url": "https://github.com/sponsors/ljharb"
  }
},
"node_modules/on-finished": {
  "version": "2.4.1",
  "resolved": "https://registry.npmjs.org/on-finished/-/on-finished-2.4.1.tgz",
  "integrity": "sha512-oVlzkkg3ENAhCk2zdV7IJwd/QUD4z2RxRwpkcGY8psCVcCYZNq4wYnVWALHM+brt
uJJePWiYF/CImuDr8Ch5+kg==",
  "license": "MIT",
  "dependencies": {
    "ee-first": "1.1.1"
  },
  "engines": {
    "node": ">= 0.8"
  }
},
"node_modules/once": {

```



```

"version": "1.4.0",
"resolved": "https://registry.npmjs.org/once/-/once-1.4.0.tgz",
"integrity": "sha512-2Z9H6pWGGa3XqjU6p4Dk83Tq3G3H/24QYpHxwvM0jW3nG8nG/jXmzRQfFb/20IY49QV2o138QXj6Gg==",
"license": "ISC",
"dependencies": {
  "wrappy": "1"
},
},
"node_modules/parseurl": {
"version": "1.3.3",
"resolved": "https://registry.npmjs.org/parseurl/-/parseurl-1.3.3.tgz",
"integrity": "sha512-CiyeOxFT/JZyN5m0z9PfXw4SCBJ6Sygz1Dpl0wqjlhDEGGBP1GnsUVEL0p63hoG1fcj3fHynXi9NYO4nWOL+qQ==",
"license": "MIT",
"engines": {
  "node": ">= 0.8"
},
},
"node_modules/path-to-regexp": {
"version": "8.3.0",
"resolved": "https://registry.npmjs.org/path-to-regexp/-/path-to-regexp-8.3.0.tgz",
"integrity": "sha512-Ke19fXtHw11F01h0Kq1dR4dFHyBgBk6GJF5T0T3WkYsU11aXG5z3XQ4A0tGdM9T1sGxK3iV9cYwLg==",
"license": "MIT",
"funding": {
  "type": "opencollective",
  "url": "https://opencollective.com/express"
}
}

```

```

    }
  },
  "node_modules/proxy-addr": {
    "version": "2.0.7",
    "resolved": "https://registry.npmjs.org/proxy-addr/-/proxy-addr-2.0.7.tgz",
    "integrity": "sha512-LLQsgAYtDQKzDn7DwekySC6AMMtpvvbYo955XkfUpF7yK7OqUqWvzf1f/hnqoYdgrozKPSsS02h6IJ5zFtBNuQ==",
    "license": "MIT",
    "dependencies": {
      "forwarded": "0.2.0",
      "ipaddr.js": "1.9.1"
    },
    "engines": {
      "node": ">= 0.10"
    }
  },
  "node_modules/qs": {
    "version": "6.14.1",
    "resolved": "https://registry.npmjs.org/qs/-/qs-6.14.1.tgz",
    "integrity": "sha512-4E4K3+xJI8Ts67nLYNWqw/dsFVnCf+qR7RgXSK9jEEem9unao3njwMDdmsdvoKBKHzxd7tCYz5e5M+SnMjdtXGQQ==",
    "license": "BSD-3-Clause",
    "dependencies": {
      "side-channel": "^1.1.0"
    },
    "engines": {
      "node": ">=0.6"
    },
  },

```

```
"funding": {
  "url": "https://github.com/sponsors/ljharb"
},
"node_modules/range-parser": {
  "version": "1.2.1",
  "resolved": "https://registry.npmjs.org/range-parser/-/range-parser-1.2.1.tgz",
  "integrity": "sha512-0Q51873886B3B33319P0A4TM57W2uWHD3d6Ztv909k0p7KX5s4yGdVwbl4145D0N1PwSj6DRgE1vwwBw==",
  "license": "MIT",
  "engines": {
    "node": ">= 0.6"
  }
},
"node_modules/raw-body": {
  "version": "3.0.2",
  "resolved": "https://registry.npmjs.org/raw-body/-/raw-body-3.0.2.tgz",
  "integrity": "sha512-28Zxp8T3sN04bVJ0hBN030UuB/yWppaxaKl0uW08Yz0P0rF+zHwqEaM0WU100wFQ03o0ZU08YH080g==",
  "license": "MIT",
  "dependencies": {
    "bytes": "~3.1.2",
    "http-errors": "~2.0.1",
    "iconv-lite": "~0.7.0",
    "unpipe": "~1.0.0"
  },
  "engines": {
    "node": ">= 0.10"
  }
}
```

```

    }
  },
  "node_modules/router": {
    "version": "2.2.0",
    "resolved": "https://registry.npmjs.org/router/-/router-2.2.0.tgz",
    "integrity": "sha512-43Rw6aC95z4ZqF2X8g1U11dOY4P0B1YdUW1Lk18QqS9YUw9Lp3U5tX+YU7HGG583D28q/3ZpZ8TgDzJLg==",
    "license": "MIT",
    "dependencies": {
      "debug": "^4.4.0",
      "depd": "^2.0.0",
      "is-promise": "^4.0.0",
      "parseurl": "^1.3.3",
      "path-to-regexp": "^8.0.0"
    },
    "engines": {
      "node": ">= 18"
    }
  },
  "node_modules/safer-buffer": {
    "version": "2.1.2",
    "resolved": "https://registry.npmjs.org/safer-buffer/-/safer-buffer-2.1.2.tgz",
    "integrity": "sha512-YZo3K82SD7Riyi0E1EQPojLz7kpepnSQI9IyPbHHg1XXXevb5dJI7tpyN2ADxGcQbH G7vcyRHk0cbwqcQriUtg==",
    "license": "MIT"
  },
  "node_modules/send": {
    "version": "1.2.1",

```

```
"resolved": "https://registry.npmjs.org/send/-/send-1.2.1.tgz",
"integrity": "sha512-1gnZf7DFcolcajTjTwjwuDjzuz4PPcY2StKPIsGAQ1+YH20IRVrBaXSWmdjowTJ6u8Rc01PoYOGHXfP1mYcZNQ==",
"license": "MIT",
"dependencies": {
  "debug": "^4.4.3",
  "encodeurl": "^2.0.0",
  "escape-html": "^1.0.3",
  "etag": "^1.8.1",
  "fresh": "^2.0.0",
  "http-errors": "^2.0.1",
  "mime-types": "^3.0.2",
  "ms": "^2.1.3",
  "on-finished": "^2.4.1",
  "range-parser": "^1.2.1",
  "statuses": "^2.0.2"
},
"engines": {
  "node": ">= 18"
},
"funding": {
  "type": "opencollective",
  "url": "https://opencollective.com/express"
},
"node_modules/serve-static": {
  "version": "2.2.1",
  "resolved": "https://registry.npmjs.org/serve-static/-/serve-static-2.2.1.tgz",
```

```
"integrity": "sha512-
xRXBn0pPqQTVQiC8wyQrKs2MOIX24zQ0POGaj0kultvoOCstBQM5yvOhAVSUwO
MjQtTvsPWoNCHfPGwaaQJhTw==",
  "license": "MIT",
  "dependencies": {
    "encodeurl": "^2.0.0",
    "escape-html": "^1.0.3",
    "parseurl": "^1.3.3",
    "send": "^1.2.0"
  },
  "engines": {
    "node": ">= 18"
  },
  "funding": {
    "type": "opencollective",
    "url": "https://opencollective.com/express"
  },
  "node_modules/setprototypeof": {
    "version": "1.2.0",
    "resolved": "https://registry.npmjs.org/setprototypeof/-/setprototypeof-1.2.0.tgz",
    "integrity": "sha512-
E5LDX7Wrp85Kil5bhZv46j8jOeboKq5JMmYM3gVGdGH8xFpPWXUMsNrIODCrkox
MEeNi/XZlWuRvY4XNwYmJpw==",
    "license": "ISC"
  },
  "node_modules/side-channel": {
    "version": "1.1.0",
    "resolved": "https://registry.npmjs.org/side-channel/-/side-channel-1.1.0.tgz",
```

```
"integrity": "sha512-
ZX99e6tRweoUXqR+VBrslhda51Nh5MTQwou5tnUDgbtyM0dBgmhEDtWGP/xbKn6
hqfPRHujUNwz5fy/wbbhnpw==",
```

```
"license": "MIT",
```

```
"dependencies": {
```

```
  "es-errors": "^1.3.0",
```

```
  "object-inspect": "^1.13.3",
```

```
  "side-channel-list": "^1.0.0",
```

```
  "side-channel-map": "^1.0.1",
```

```
  "side-channel-weakmap": "^1.0.2"
```

```
},
```

```
"engines": {
```

```
  "node": ">= 0.4"
```

```
},
```

```
"funding": {
```

```
  "url": "https://github.com/sponsors/ljharb"
```

```
}
```

```
},
```

```
"node_modules/side-channel-list": {
```

```
  "version": "1.0.0",
```

```
  "resolved": "https://registry.npmjs.org/side-channel-list/-/side-channel-list-
1.0.0.tgz",
```

```
  "integrity": "sha512-
FCLHtRD/gnpCiCHEiJLOWdmFP+wzCmDEkc9y7NsYxeF4u7Btsn1ZuwgwJGxImIm
HicJArLP4R0yX4c2KCrMrTA==",
```

```
  "license": "MIT",
```

```
  "dependencies": {
```

```
    "es-errors": "^1.3.0",
```

```
    "object-inspect": "^1.13.3"
```

```
  },
```

```
  "engines": {
```

```
    "node": ">= 0.4"
  },
  "funding": {
    "url": "https://github.com/sponsors/ljharb"
  }
},
"node_modules/side-channel-map": {
  "version": "1.0.1",
  "resolved": "https://registry.npmjs.org/side-channel-map/-/side-channel-map-1.0.1.tgz",
  "integrity": "sha512-VCjCNfgMsby3tTdo02nbjtM/ewra6jPHmpThenkTYh8pG9ucZ/1P8So4u4FGBek/BjpOVsDCMoLA/iuBKIFXRA==",
  "license": "MIT",
  "dependencies": {
    "call-bound": "^1.0.2",
    "es-errors": "^1.3.0",
    "get-intrinsic": "^1.2.5",
    "object-inspect": "^1.13.3"
  },
  "engines": {
    "node": ">= 0.4"
  },
  "funding": {
    "url": "https://github.com/sponsors/ljharb"
  }
},
"node_modules/side-channel-weakmap": {
  "version": "1.0.2",
```



```
"resolved": "https://registry.npmjs.org/side-channel-weakmap/-/side-channel-weakmap-1.0.2.tgz",
"integrity": "sha512-WPS/HvHQTYNHisLo9McqBHOJk2FkHO/tlpvldyrnem4aeQp4hai3gythswg6p01oSoTl58rcpiFAjF2br2Ak2A==",
"license": "MIT",
"dependencies": {
  "call-bound": "^1.0.2",
  "es-errors": "^1.3.0",
  "get-intrinsic": "^1.2.5",
  "object-inspect": "^1.13.3",
  "side-channel-map": "^1.0.1"
},
"engines": {
  "node": ">= 0.4"
},
"funding": {
  "url": "https://github.com/sponsors/ljharb"
}
},
"node_modules/statuses": {
  "version": "2.0.2",
  "resolved": "https://registry.npmjs.org/statuses/-/statuses-2.0.2.tgz",
  "integrity": "sha512-DvEY55V3DB7uknRo+4iOGT5fP1sIR8wQohVdknigZPMpMstaKJQWhwiYBACJE3UI2pTnATihhBYnRhZQHGBiRw==",
  "license": "MIT",
  "engines": {
    "node": ">= 0.8"
  }
},
```

```
"node_modules/toidentifier": {
  "version": "1.0.1",
  "resolved": "https://registry.npmjs.org/toidentifier/-/toidentifier-1.0.1.tgz",
  "integrity": "sha512-o5sSPKEkg/DIQNmH43V0/uerLrpzVedkUh8tGNvaeXpfpuwjKenlSox/2O/BTIZUtEe+JG7s5YhEz608PIAHRA==",
  "license": "MIT",
  "engines": {
    "node": ">=0.6"
  }
},
"node_modules/type-is": {
  "version": "2.0.1",
  "resolved": "https://registry.npmjs.org/type-is/-/type-is-2.0.1.tgz",
  "integrity": "sha512-OZs6gsjF4vMp32qrCbiVSkrfmXtG/AZhY3t0iAMrMBiAZyV9oALtXO8hsrHbMXF9x6L3grlFuwW2oAz7cav+Gw==",
  "license": "MIT",
  "dependencies": {
    "content-type": "^1.0.5",
    "media-typer": "^1.1.0",
    "mime-types": "^3.0.0"
  },
  "engines": {
    "node": ">= 0.6"
  }
},
"node_modules/unpipe": {
  "version": "1.0.0",
  "resolved": "https://registry.npmjs.org/unpipe/-/unpipe-1.0.0.tgz",
```

```
  "integrity": "sha512-
pjy2bYhSsufwWIKwPc+l3cN7+wuJIK6uz0YdJEOIQDbl6jo/YIPi4mb8agUkVC8BF7V8
NuzeyPNqRksA3hztKQ==",
```

```
  "license": "MIT",
```

```
  "engines": {
```

```
    "node": ">= 0.8"
```

```
  }
```

```
},
```

```
"node_modules/vary": {
```

```
  "version": "1.1.2",
```

```
  "resolved": "https://registry.npmjs.org/vary/-/vary-1.1.2.tgz",
```

```
  "integrity": "sha512-
BNGbWLfd0eUPabhkXUVm0j8uuvREyTh5ovRa/dyow/BqAbZJyC+5fU+lzQOzmAKz
YqYRAISoRhdQr3elZ/PXqg==",
```

```
  "license": "MIT",
```

```
  "engines": {
```

```
    "node": ">= 0.8"
```

```
  }
```

```
},
```

```
"node_modules/wrappy": {
```

```
  "version": "1.0.2",
```

```
  "resolved": "https://registry.npmjs.org/wrappy/-/wrappy-1.0.2.tgz",
```

```
  "integrity": "sha512-
l4Sp/DRseor9wL6EvV2+TuQn63dMkPjZ/sp9XkghTEbV9KIPS1xUsZ3u7/IQO4wxtcF
B4bgpQPRcR3QCvezPcQ==",
```

```
  "license": "ISC"
```

```
  }
```

```
}
```

```
}
```

Package.json

```
{
```

```
"name": "student-managmentapp",
"version": "1.0.0",
"description": "",
"main": "index.js",
"scripts": {
  "test": "echo \"Error: no test specified\" && exit 1"
},
"keywords": [],
"author": "",
"license": "ISC",
"type": "commonjs",
"dependencies": {
  "express": "^5.2.1"
}
}
```

Output:

student management app / New Request

GET http://localhost:3000/students Send

Docs Params Authorization Headers (6) Body Scripts Settings Cookies

Query Params

Key	Value	Description
Key	Value	Description

Body Cookies Headers (7) Test Results 200 OK · 112 ms · 325 B Save Response

JSON Preview Visualize

id	name	dept	age
0 1	Arun	IT	23
1 2	Bala	CSE	23

Cloud View Find and replace Console Terminal Runner Start Proxy Cookies Vault Trash 19:31 02-01-2026

student management app / New Request

PUT http://localhost:3000/students/1 Send

Docs Params Authorization Headers (6) Body Scripts Settings Cookies

none form-data x-www-form-urlencoded raw binary GraphQL JSON Schema Beautify

```
1 {
2   "dept": "IT"
3 }
4
```

Body Cookies Headers (7) Test Results 200 OK · 29 ms · 278 B Save Response

JSON Preview Visualize

id	1
name	Arun
dept	IT
age	23

Cloud View Find and replace Console Terminal Runner Start Proxy Cookies Vault Trash 18:36 02-01-2026

student management app / New Request

POST http://localhost:3000/students/bulk Send

Docs Params Authorization Headers (6) Body Scripts Settings Cookies

none form-data x-www-form-urlencoded raw binary GraphQL JSON Schema Beautify

```
6 },
7 {
8   "name": "Sita",
9   "dept": "MECH",
10  "age": 21
11 },
12 {
13   "name": "Kumar",
14   "dept": "EEE",
15   "age": 23
16 }
17 ]
```

Body Cookies Headers (7) Test Results 201 Created · 37 ms · 468 B Save Response

JSON Preview Visualize

id	name	dept	age
0 1	Arun	IT	23
1 2	Bala	CSE	23
2 3	Ravi	ECE	22
3 4	Sita	MECH	21
4 5	Kumar	EEE	23

Cloud View Find and replace Console Terminal Runner Start Proxy Cookies Vault Trash 16:22 02-01-2026

