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➤ NodeJs PRACTISE 2

- CODE

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

app.use(express.json());

let cards = [
  { "id": 1, "suit": "Hearts", "value": "Ace" },
  { "id": 2, "suit": "Spades", "value": "King" },
  { "id": 3, "suit": "Diamonds", "value": "Queen" }
];

let nextId = cards.length + 1;

app.get('/cards', (req, res) => {
  res.status(200).json(cards);
});

app.get('/cards/:id', (req, res) => {
  const id = parseInt(req.params.id);
  const card = cards.find(c => c.id === id);

  if (card) {
    res.status(200).json(card);
  }
});
```

```

    } else {
      res.status(404).json({ message: `Card with ID ${id} not found` });
    }
  });

app.post('/cards', (req, res) => {
  const { suit, value } = req.body;

  if (!suit || !value) {
    return res.status(400).json({ message: "Missing required fields: suit and value" });
  }

  const newCard = {
    id: nextId++,
    suit,
    value
  };

  cards.push(newCard);

  res.status(201).json(newCard);
});

app.delete('/cards/:id', (req, res) => {
  const id = parseInt(req.params.id);
  const cardIndex = cards.findIndex(c => c.id === id);

  if (cardIndex !== -1) {
    const [deletedCard] = cards.splice(cardIndex, 1);

    res.status(200).json({
      message: `Card with ID ${id} removed`,
      card: deletedCard
    });
  } else {
    res.status(404).json({ message: `Card with ID ${id} not found` });
  }
});

app.listen(port, () => {
  console.log(`Card API listening at http://localhost:${port}`);
});

```

- OUTPUT

HTTP <http://localhost:3000/cards>

GET <http://localhost:3000/cards>

Params Authorization Headers (7) Body Scripts Tests Settings

Body Cookies Headers (7) Test Results ↺

{ } JSON ▾ ▷ Preview 🖼 Visualize ▾

```
1  [
2    {
3      "id": 1,
4      "suit": "Hearts",
5      "value": "Ace"
6    },
7    {
8      "id": 2,
9      "suit": "Spades",
10     "value": "King"
11   },
12   {
13     "id": 3,
14     "suit": "Diamonds",
15     "value": "Queen"
16   }
17 ]
```

HTTP <http://localhost:3000/cards/3>

GET <http://localhost:3000/cards/3>

Params Authorization Headers (7) Body Scripts Tests Settings

☒ none ☐ form-data ☐ x-www-form-urlencoded ☐ raw ☐ binary ☐ GraphQL

This request does not have a body

Body Cookies Headers (7) Test Results ↺ 200 OK

{ } JSON ▾ ▷ Preview 🖼 Visualize ▾

```
1  {
2    "id": 3,
3    "suit": "Diamonds",
4    "value": "Queen"
5  }
```

HTTP <http://localhost:3000/cards>

POST <http://localhost:3000/cards>

Params Authorization Headers (9) **Body** Scripts Tests Settings

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL **JSON**

```
1 {  
2   "id": 4,  
3   "suit": "Club",  
4   "value": "Jack"  
5 }
```

Body Cookies Headers (7) Test Results

201 Create

{ } JSON Preview Visualize

```
1 {  
2   "id": 4,  
3   "suit": "Club",  
4   "value": "Jack"  
5 }
```

HTTP <http://localhost:3000/cards/2>

⌵

DELETE <http://localhost:3000/cards/2>

Params Authorization Headers (7) **Body** Scripts Tests Settings

☒ none ☐ form-data ☐ x-www-form-urlencoded ☐ raw ☐ binary ☐ GraphQL

This request does not have a body

Body Cookies Headers (7) Test Results

200 OK

{ } JSON Preview Visualize

```
1 {  
2   "message": "Card with ID 2 removed",  
3   "card": {  
4     "id": 2,  
5     "suit": "Spades",  
6     "value": "King"  
7   }  
8 }
```

Output Link :- <http://localhost:3000/cards>

API's: GET <http://localhost:3000/cards> GET <http://localhost:3000/cards/3>

POST <http://localhost:3000/cards> DELETE <http://localhost:3000/cards/2>

