Name: Mansvi Kumar

Rollno: 5

Regno: 12309317

Section: k23dx

INT-222

Code:

```javascript
import express from "express";

const app = express();
const port = 3000;

function databaseQuery(id) {
  return new Promise((resolve, reject) => {
    setTimeout(() => {
        console.log(`fetching id: ${id}`);
    }, 2000);
    if(id == 101) {
        resolve({id: 101, product: 'Laptop', price: 1000});
    } else {
        reject('Product not found');
    }
  })
}

app.use(express.json());

app.get("/product/:id", async (req, res) => {
  try {
    const response = await databaseQuery(req.params.id);
    res.json(response);
  } catch (err) {
    res.status(404).json(err);
  }
});

app.listen(port || process.env.PORT, () => {
  console.log(`server is running at http://localhost:${port}`);
});
```

```js
import express from "express";

const app = express();
const port = 3000;

function databaseQuery(id) {
  return new Promise((resolve, reject) => {
    setTimeout(() => {
      console.log(`fetching id: ${id}`);
    }, 2000);
    if(id == 101) {
      resolve({id: 101, product: 'Laptop', price: 1000});
    } else {
      reject('Product not found');
    }
  })
}

app.use(express.json());

app.get("/product/:id", async (req, res) => {
  try {
    const response = await databaseQuery(req.params.id);
    res.json(response);
  } catch (err) {
    res.status(404).json(err);
  }
});

app.listen(port || process.env.PORT, () => {
  console.log(`server is running at http://localhost:${port}`);
});
```

```
PS C:\Users\Victus\Desktop\ca-1> node index.js
fetching id: 101
fetching id: 101
fetching id: 101
fetching id: 101
fetching id: 101
fetching id: 101
fetching id: 102
fetching id: 101
fetching id: 102
fetching id: 101
fetching id: 102
fetching id: 101
```

Code output:


```
{"id":101,"product":"Laptop","price":1000}
```

Pretty-print

"Product not found"