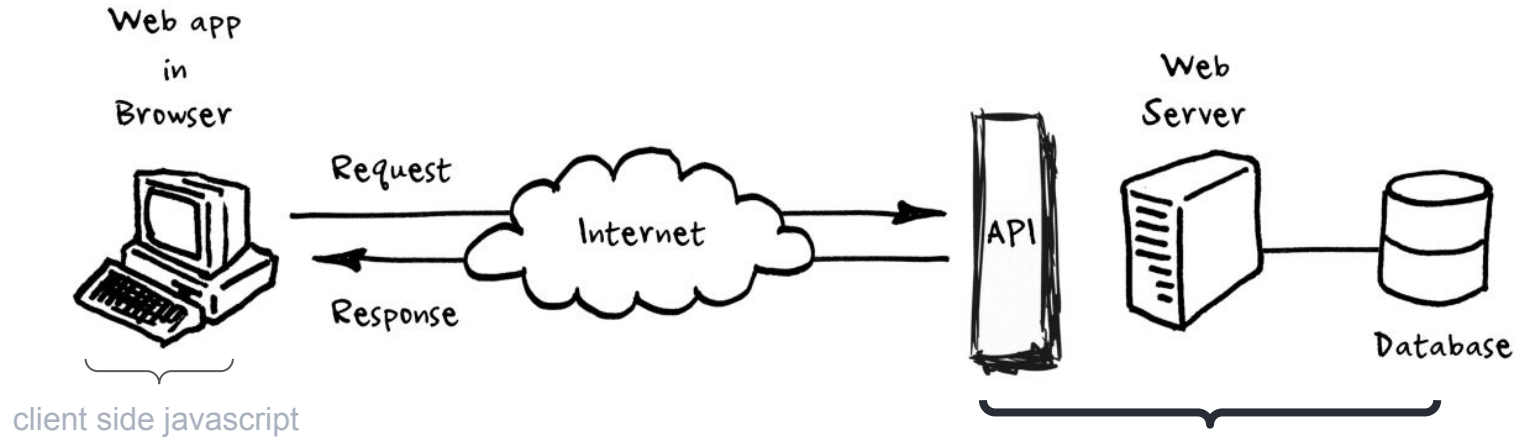# REST API

Representational State Transfer

REST

is an application design architecture

REST API

it's a way to query data and perform consistent actions on a request.

REST API

It's independent of language used by the client or the mode of connection such as a mobile app or a web app.

Web app in Browser

Request

Response

client side javascript

Internet

API

Web Server

Database

REST API ENDPOINT

NODE and EXPRESS

HITTING AN ENDPOINT

http://domain.com/api/v2/**employees**?id=2578412AC

```javascript
app.get('/employees/:id', (req, res)=>{
 const data = new Employee (req.query.id)
 res.send(${searchEmployee.id})
})
```
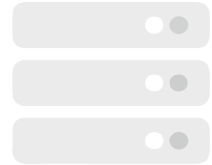
/?id=524578SD
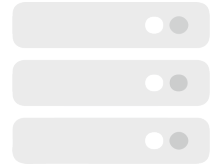
http://domain.com/api/v2/**employees**?id=2578412AC

```
(req, res)

THE REQUEST WE SENT TO THE ENDPOINT employees
```

/?id=524578SD

```
app.get('/employees/:id', (req, res)=>{
 const data = new Employee (req.query.id)
 res.send(${searchEmployee.id})
})
```

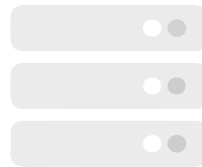# http://domain.com/api/v2/**employees**?id=2578412AC

```
(req, res)

THE RESPONSE WE WILL SEND BACK
```

```
app.get('/employees/:id', (req, res)=>{
 const data = new Employee (req.query.id)
res.send(${{searchEmployee.id})
})
```

/?id=524578SD

http://domain.com/api/v2/employees?id=2578412AC

```
(req.query.id)

THE QUERY PARAMETERS WE SENT ACCESSED FROM

THE REQUEST OBJECT
```

```js
app.get('/employees/:id', (req, res)=>{

 const data = new Employee (req.query.id)

 res.send(${searchEmployee.id})

})
```

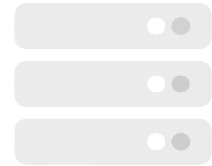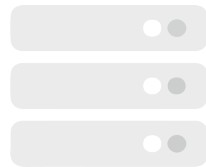/?id=524578SD

http://domain.com/api/v2/employees?id=2578412AC

```
res.send(${searchEmployee.id})
THE RESPONSE TO THE TO THE CLIENT
WHO MADE THE REQUEST WITH JSON DATA
RETURNED FROM THE searchEmployee
FUNCTION
```

```
app.get('/employees/:id', (req, res)=>{
  const data = new Employee (req.query.id)
  res.send(${searchEmployee.id})
})
```

/employees?id=2578412AC

LET'S WRITE SOME CODE