



JÖNKÖPING UNIVERSITY

*School of Engineering*

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# COOKIES & SESSIONS IN EXPRESS

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# CREATING A COOKIE

```
const express = require('express')
const app = express()
app.get("/create-cookie", function(request, response) {
  response.cookie("lastVisit", Date.now())
  // ...
})
```

Header added to the response:

```
Set-Cookie: lastVisit=1537889037157
```

# READING COOKIES

Header received in the request:

```
Cookie: lastVisit=1537889037157
```

```
const express = require('express')
const cookieParser = require('cookie-parser')
const app = express()
app.use(cookieParser())
app.get("/log-cookie", function(request, response) {
  const lastVisit = parseInt(request.cookies.lastVisit)
  // ...
})
```

# COOKIES EXAMPLE

Count how many times the client has been requesting a specific page.

```
app.get("/test", function(request, response) {  
  let counter = 1  
  if(request.cookies.counter) {  
    counter = parseInt(request.cookies.counter) + 1  
  }  
  response.cookie("counter", counter)  
  // ...  
})
```

# USING SESSIONS

```
const express = require('express')
const session = require('express-session')
```

```
const app = express()
app.use(session({
  saveUninitialized: false,
  resave: false,
  secret: 'ajdhrgsja'
}))
```

```
app.get("/test", function(request, response) {
  let counter = 1
  if(request.session.counter) {
    counter = request.session.counter + 1
  }
  request.session.counter = counter
  // ...
})
```

# USING SESSIONS

Where are the sessions stored?

- Configurable through different stores.

```
const express = require('express')
const session = require('express-session')
const app = express()
app.use(session({
  store: ...,
  secret: 'ajdhrgsja',
  saveUninitialized: false,
  resave: false
}))
```

# STORING SESSIONS IN SQLITE

```
const express = require('express')
const session = require('express-session')
const connectSqlite3 = require('connect-sqlite3')
const SQLiteStore = connectSqlite3(session)
const app = express()
app.use(session({
  store: new SQLiteStore({db: "session-db.db"}),
  secret: 'ajdhrgsja',
  saveUninitialized: false,
  resave: false
}))
```