



# **Experiments 08**

## **Node.js**

**Open Source SW Development**  
**CSE22300**

# Assignment 0

---

- **Tutorial**
  - **Event01**
  - **Event02**
  - **mymodule**

# Assignment 1

---

- **Create Modules**
  - **module.exports**
    - [https://nodejs.org/api/modules.html#modules\\_modules](https://nodejs.org/api/modules.html#modules_modules)
- **mymodule.js**
  - **add (a,b) : return a+b**
  - **sub (a, b) : return a-b**
- **app.js**
  - **creates mymodule**
  - **call add, sub function with mymodule**

# Assignment 2

---

- **Producer and Consumer Problem**
  - [https://en.wikipedia.org/wiki/Producer%E2%80%93consumer\\_problem](https://en.wikipedia.org/wiki/Producer%E2%80%93consumer_problem)
- **Implement Producer/Consumer with Event**
  - Generate random strings (producer)
  - Delivery random strings (event)
  - Prints delivered random strings (consumer)
- **Hint**
  - inherits
  - prototype

# Assignment 3

---

- **Find files**
  - Use fs module
  - find files or directories including 'test' strings in its name