

```
PS D:\nodejs> node a2-1_app
calling first listener...
first listener called!
calling second listener...
second listener called!
calling third listener...
third listener called!
PS D:\nodejs>
```

Logger

```
//library == module
//calling module
const EventEmitter = require('events');

//emit calls/adds any listener to event name (example: firstCatch, secondCatch)
//extends == adds event functions to logger class

class Logger extends EventEmitter {
  //event
  firstCatch(message){
    console.log(message);
    //listener
    this.emit('firstCatch');
  }
  //event
  secondCatch(message){
    console.log(message);
    //listener
    this.emit('secondCatch');
  }
  //event
  thirdCatch(message){
    console.log(message);
    //listener
    this.emit('thirdCatch');
  }
}
```

```
//exports entire class to 'Logger'
module.exports = Logger;
```

app

```
//loads event library
const EventEmitter = require('events');

//requires and calls class 'Logger'
const Logger = require('./a2-1_logger');
```

```
let logger = new Logger();

//what the listener will output when events are called
//these go after first
logger.on('firstCatch', () => {
  console.log('first listener called!');
});
logger.on('secondCatch', () => {
  console.log('second listener called!');
});
logger.on('thirdCatch', () => {
  console.log('third listener called!');
});

//what events will output when called
//these go first
logger.firstCatch('calling first listener...');
logger.secondCatch('calling second listener...');
logger.thirdCatch("calling third listener...");
```