



# STAGE 4

```
var EventEmitter = require("events");

console.log("Welcome to EventEmitter");

var myEmitter = new EventEmitter();

myEmitter.on('overflow', () => {
  console.log('I am overflow Listener');
});

myEmitter.emit('overflow');

myEmitter.on('underflow', function(a, b) {
  console.log(a, b, this);
});

myEmitter.emit('underflow', 'a', 'b');

myEmitter.on('underflow', (a, b) => {
  setImmediate(() => {
    console.log('this happens asynchronously');
  });
});
```

; 

```
myEmitter.emit('underflow', 'a', 'b');  
  
var m = 0;  
  
myEmitter.on('overflow', () => {  
  console.log(++m);  
});  
  
myEmitter.emit('overflow');  
  
myEmitter.emit('overflow');  
  
console.log("Program Ends");
```

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