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");
```