

Exercício 01 resposta:

Saída, linha 18: name example2

Saída, linha 19: name example2

Exercício 02 resposta:

```
class Notifier {
  constructor() {
    this.subscribers = [];
    this.latestNews = null;
  }

  subscribe(subscriber) {
    this.subscribers.push(subscriber);
  }

  unsubscribe(subscriber) {
    this.subscribers = this.subscribers.filter((sub) => {
      if (sub !== subscriber) {
        return sub;
      }
    });
  }

  notifySubscribers() {
    this.subscribers.forEach((e) => {
      e.update();
    });
  }

  getNews() {
    return this.latestNews;
  }

  addNews(news) {
    this.latestNews = news;
  }
}

class SimpleSubscriber {
  constructor(publisher) {
    this.publisher = publisher;
    this.publisher.subscribe(this);
  }

  update() {
    console.log(`Simple Subscriber: ${this.publisher.getNews()}`);
  }
}

class BreakingNewsSubscriber {
```

```
constructor(publisher) {  
  this.publisher = publisher;  
  this.publisher.subscribe(this);  
}  
  
update() {  
  console.log(`Breaking News Subscriber: ${this.publisher.getNews()}`);  
  this.publisher.unsubscribe(this);  
}  
}
```

```
class Publisher {}
```

```
Publisher = Object.assign(Notifier, Publisher);
```

```
const publisher = new Publisher();
```

```
const subscribers = [SimpleSubscriber, BreakingNewsSubscriber];  
subscribers.forEach((e) => {  
  new e(publisher);  
});
```

```
publisher.addNews('Breaking news');  
publisher.notifySubscribers();
```

```
publisher.addNews('Breaking news 2');  
publisher.notifySubscribers();
```

```
publisher.addNews('Breaking news 3');  
publisher.notifySubscribers();
```