

OOP: Object Oriented Programming

is a programming paradigm based on the concept of "objects", which can contain data, in the form of fields(often known as attributes), and code, in the form of procedures (often known as methods). [Source - Wikipedia]



Procedural

```
var width = 10
```

```
var height = 20
```

```
function calculateArea(width, height) {  
  return width * height  
}
```

```
function calculateRange(width, height) {  
  return 2 * (width + height)  
}
```

```
var area = calculateArea(width, height)  
var range = calculateRange(width, height)
```



Object Oriented

```
var rect = {  
  width: 10,  
  height: 20,  
  
  calculateArea: function() {  
    return this.width * this.height  
  },  
  calculateRange: function() {  
    return 2 * (this.width + this.height)  
  }  
}  
  
var area = rect.calculateArea()  
var range = rect.calculateRange()
```



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var area = rect.calculateArea()
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