

Web Developer Bootcamp

オブジェクト

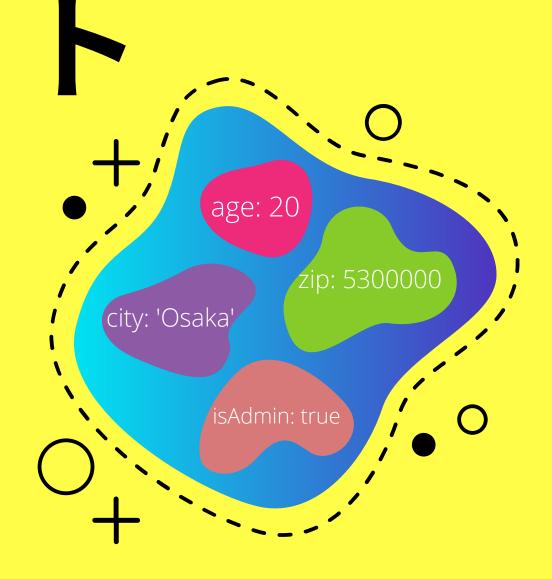
2つ目のデータ構造!





オブジェク

- オブジェクトはプロパティの集 合体
- プロパティはキーと値のペア
- インデックスでデータにアクセ スするのではなく、キーを使っ てアクセスします







1,826

total floors

1,364 floors over last week 150.72 miles over last week



211.70

total miles



5,755

avg. daily calorie burn

1,618 cals. over last week



2312

total active minutes

1 842 min from last week



 $7_{\text{of}} \, 5_{\text{days}}$

exercising this week

same as previous week



2 hrs 13 min

avg. restful sleep

2 hrs 1 min lower than last week



オブジェクトを使おう

```
const fitBitData = {
                     : 308727,
    totalSteps
    totalMiles
                     : 211.7,
    avgCalorieBurn : 5755,
   workoutsThisWeek: '5 of 7',
    avgGoodSleep
                     : '2:13'
```

プロパティ +-(KEY) 值(VALUE)

キーと値のペア

どんなデータ型でもOK

```
const comment = {
 username : 'yamada',
 downVotes : 19,
 upVotes : 214,
 commentText: '思っていたのと違った',
 tags : ['#おもしろ', '#爆笑'],
 isAuthor : false
};
```

DICTIONARY

clarion:

brilliantly clear

donnybrook:

uprooad & disorder

fecund:

fruitful in offspring

pursy:

having a puckered appearance

fantod:

emotional outburst argue in protest

remonstrate:

有効なキー オブジェクトの キーはString* に変換される



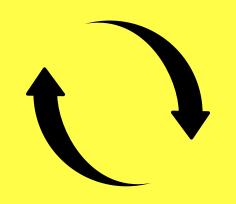
* Symbolは例外

データの参照方法

```
const palette = {
  red: '#eb4d4b',
  yellow: '#f9ca24',
  blue: '#30336b'
```

```
palette.red //"#eb4d4b"
palette['blue'] //"#30336b"
let color = 'yellow';
palette[color] //"#f9ca24"
```

プロパティの更新や追加



```
const fitBitData = {
 totalSteps : 308727,
 totalMiles
                 : 211.7,
  avgCalorieBurn
                 : 5755,
 workoutsThisWeek: '5 of 7',
                 : '2:13'
 avgGoodSleep
// プロパティの更新
fitBitData.workoutsThisWeek = '6 of 7';
fitBitData.totalMiles += 7.5;
// プロパティを新しく追加
fitBitData.heartStillBeating = true;
```

配列・オブジェクト

```
const shoppingCart = [
    product: 'Jenga Classic',
    price: 6.88,
   quantity: 1,
   product: 'Echo Dot',
    price: 29.99,
   quantity: 3
    product: 'Fire Stick',
   price: 39.99,
   quantity: 2
```

```
const student = {
  firstName: 'David',
  lastName: 'Jones',
  strengths: ['Music', 'Art'],
  exams: {
    midterm: 92,
    final: 88
```