Verkefni 3

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1. Template literals leyfa þér að nota exspressions inn í strengjum

```
var a = 5;
var b = 10;
console.log('Fifteen is ' + (a + b) + ' and\nnot ' + (2 * a + b) + '.');
// "Fifteen is 15 and
// not 20."
```

2. forEach er bara hægt að nota á arrays, það getur séð index og value.
   For in getur farið í gegnum öll objects og getur séð lykla en ekki value
   For of er ný leið til að fara í gegnum object í ES6 til þess að for of virki þarf object að hafa Symbol.iterator property

3. a)reverse()
   b)sort()
   c)shift() og splice()
   d)join()

4. ```
   var test = [12, 929, 11, 3, 199, 1000, 7, 1, 24, 37, 4,
       19, 300, 3775, 299, 36, 209, 148, 169, 299,
       6, 109, 20, 58, 139, 59, 3, 1, 139
   ];

   // Write your code here

   test.forEach(function addhundred(tala,index,test){
      if (test[index] % 3 === 0){
         test[index]=test[index]+100;
         console.log(test[index]);
      }
   });
   console.log(test);
   ```

5. ```
   var bills = [50.23, 19.12, 34.01,
       100.11, 12.15, 9.90, 29.11, 12.99,
       10.00, 99.22, 102.20, 100.10, 6.77, 2.22
   ];

   var totals = bills.map(function(elem){
      elem=elem*1.15;
   ```

```
        return elem;
    });
    console.log(totals);
```

6.
```
for (var i=0;i<numbers.length;i++){
    for (var x=0;x<numbers[i].length;x++){
        if (numbers[i][x] % 2===0){
            numbers[i][x]="even"
        }
        else{
            numbers[i][x]="odd"
        }
    }
}
console.log(numbers)
```

7.
```
function breakfast(name,price,ingredients){
    this.name=name;
    this.price=price;
    this.ingredients=ingredients;
}oven
var breakfast = new breakfast("The Lumberjack","9.95","eggs, sausage, toast,
hashbrowns, pancakes")
console.log(breakfast)
```

8.
```
var savingsAccount = {
    balance: 1000,
    interestRatePercent: 1,
    deposit: function addMoney(amount) {
        if (amount > 0) {
            savingsAccount.balance += amount;
        }
    },
    withdraw: function removeMoney(amount) {
        var verifyBalance = savingsAccount.balance - amount;
        if (amount > 0 && verifyBalance >= 0) {
            savingsAccount.balance -= amount;
        }
    },
    // your code goes here
    printAccountSummary:function  printAccountSummary(){
        return "Welcome!\n"+ "Your balance is currently $"  + savingsAccount.balance +
" and your interest rate is " + savingsAccount.interestRatePercent +"%.";
```

```
        }
    };

    console.log(savingsAccount.printAccountSummary());
```

9.
```
var donuts = [
    { type: "Jelly", cost: 1.22 },
    { type: "Chocolate", cost: 2.45 },
    { type: "Cider", cost: 1.59 },
    { type: "Boston Cream", cost: 5.99 }
];
// your code goes here
donuts.forEach(function(donut){
    console.log(donut.type + " donuts cost $" + donut.cost + " each")
});
```

10.
```
function pizza(price,name,size,alegg){
    this.price=price;
    this.name=name;
    this.size=size;
    this.alegg=alegg;
    this.printPizza = function(){
        return this.size + " " + this.name + " " + this.price + "kr (" + this.alegg + ")."
    }
}
var margarita = new pizza("1499","Margarita","stór","ostur, extra ostur");
var texasBbq = new pizza("1999","Texas BBQ","stór","pepperoni, sveppir, hakk, BBQ")
console.log(margarita.printPizza());
console.log(texasBbq.printPizza());
```