EXAMPLE 11: ADDING AN ELEMENT TO AN ARRAY

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JAVASCRIPT ARRAYS ARE NOT FIXED IN SIZE.

SIMPLY USE THE `.push` PROPERTY TO ADD ELEMENTS TO AN ARRAY - ITS THAT SIMPLE

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```html
<script>
function arrayStuff() {
    var allDays = ['Mon','Tue','Wed','Thu','Fri','Sat','Sun'];
    var weekEnds = [];

    printArray(weekEnds,"Weekend days");

    for(var i=0;i<allDays.length;i++) {
      if(IsWeekend(allDays[i])) {
       weekEnds.push(allDays[i]);
      }
    }
    printArray(weekEnds,"Weekend days");

}

function IsWeekend(day){
  if (day == 'Sat' || day == 'Sun'){
    return true;
 }
 return false;
}

function printArray(array,name) {
  console.log("printing array:"+name);
  console.log(array.length + " elements");
  for(var i=0;i<array.length;i++) {
     console.log(i + " : " + array[i]);
   }
}
```

SIMPLY USE THE `.push` PROPERTY TO ADD ELEMENTS TO AN ARRAY - ITS THAT SIMPLE

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function arrayStuff() {
  var allDays = ['Mon','Tue','Wed','Thu','Fri','Sat','Sun'];
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  console.log(array.length + " elements");
  for(var i=0;i<array.length;i++) {
    console.log(i + " : " + array[i]);
  }
}
```

CREATE AN ARRAY WITH EACH DAY OF THE WEEK

SIMPLY USE THE `.push` PROPERTY TO ADD
ELEMENTS TO AN ARRAY - ITS THAT SIMPLE

`var weekEnds = [];`

```
<script>
function arrayStuff() {
  var allDays = ['Mon','Tue','Wed','Thu','Fri','Sat','Sun'];

  var weekEnds = [];
  printArray(weekEnds,"Weekend days");

  for(var i=0;i<allDays.length;i++) {
    if(IsWeekend(allDays[i])) {
      weekEnds.push(allDays[i]);
    }
  }
  printArray(weekEnds,"Weekend days");

}

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  if (day == 'Sat' || day == 'Sun'){
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 return false;
}

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  console.log("printing array:"+name);
  console.log(array.length + " elements");
  for(var i=0;i<array.length;i++) {
    console.log(i + " : " + array[i]);
  }
}
```

CREATE AN EMPTY ARRAY TO
HOLD WEEKENDS

SIMPLY USE THE .push PROPERTY TO ADD ELEMENTS TO AN ARRAY - ITS THAT SIMPLE

```javascript
for(var i=0;i<allDays.length;i++) {
    if(IsWeekend(allDays[i])) {
      weekEnds.push(allDays[i]);
    }
  }
```

ITERATE OVER THE ARRAY WITH DAYS USING A FOR LOOP

SIMPLY USE THE `.push` PROPERTY TO ADD ELEMENTS TO AN ARRAY - ITS THAT SIMPLE

```javascript
<script>
function arrayStuff() {
  var allDays = ['Mon','Tue','Wed','Thu','Fri','Sat','Sun'];
  var weekEnds = [];

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  for(var i=0;i<allDays.length;i++) {
    if(IsWeekend(allDays[i])) {
      weekEnds.push(allDays[i]);
    }
  }

  printArray(weekEnds,"Weekend days");
}

function IsWeekend(day){
  if (day == 'Sat' || day == 'Sun'){
    return true;
  }
  return false;
}

function printArray(array,name) {
  console.log("printing array:"+name);
  console.log(array.length + " elements");
  for(var i=0;i<array.length;i++) {
    console.log(i + " : " + array[i]);
  }
}
```

FOR EACH DAY, CHECK IF IT IS A WEEKEND, AND IF YES, COPY IT OVER USING THE .PUSH

SIMPLY USE THE `.push` PROPERTY TO ADD ELEMENTS TO AN ARRAY - ITS THAT SIMPLE

BTW, THE CHECK WHETHER ITS A WEEKEND HAPPENS IN A SEPARATE LITTLE FUNCTION

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<script>
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  var weekEnds = [];

  printArray(allDays, "weekend days");

  for(var i=0;i<allDays.length;i++) {
    if(IsWeekend(allDays[i])) {
      weekEnds.push(allDays[i]);
    }
  }

  printArray(weekEnds, "weekend days");

function IsWeekend(day){
  if (day == 'Sat' || day == 'S
    return true;
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}

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  console.log("printing array:"+name);
  console.log(array.length + " elements");
  for(var i=0;i<array.length;i++) {
    console.log(i + " : " + array[i]);
  }
}
```

SIMPLY USE THE `.push` PROPERTY TO ADD
ELEMENTS TO AN ARRAY - ITS THAT SIMPLE

```
printing array:Weekend days
0 elements
printing array:Weekend days
2 elements
0 : Sat
1 : Sun
```

OUR ARRAY STARTED EMPTY..

SIMPLY USE THE `.push` PROPERTY TO ADD
ELEMENTS TO AN ARRAY - ITS THAT SIMPLE

```
printing array:Weekend days
0 elements
printing array:Weekend days
2 elements
0 : Sat
1 : Sun
```

BUT HAD 2 VALUES AT THE END.