

6.1 Max

Print the maximum value from listOfNumbers.

```
var listOfNumbers = [1, 2, 3, 10, 100]
```

```
// your code here
```

6.2 Odd

Print all the odd numbers from listOfNumbers.

```
var listOfNumbers = [1, 2, 3, 10, 100]
```

```
// your code here
```

6.3 Sum

Print the sum of all the numbers from listOfNumbers.

```
var listOfNumbers = [1, 2, 3, 10, 100]
```

```
// your code here
```

6.4 Odd Index

Print all the numbers from listOfNumbers that are located at odd indexes.

```
var listOfNumbers = [1, 2, 3, 10, 100]
```

```
// your code here
```

6.5 Going back

Print the numbers from listOfNumbers in reverse order on separate lines.

```
var listOfNumbers = [1, 2, 3, 10, 100, 2]
```

```
// your code here
```

6.6 Reverse

Reverse the order of the elements in listOfNumbers without creating any additional arrays.

```
var listOfNumbers = [1, 2, 3, 10, 100]
```

```
// your code here
```

6.7 Sorting

Sort the values in listOfNumbers in descending order.

```
var listOfNumbers = [1, 2, 3, 10, 100]
```

```
// your code here
```

6.8 Search

Find out if x appears in listOfNumbers. Print yes if true and no otherwise.

```
var listOfNumbers = [1, 2, 3, 10, 100]
```

```
var x = 10
```

```
// your code here
```

6.9 Intersection

Print all the elements from otherNumbers that appear in listOfNumbers.

Don't print anything if listOfNumbers and otherNumbers have no common elements.

```
var listOfNumbers = [1, 2, 3, 10, 100]
```

```
var otherNumbers = [1, 2, 3, 4, 5, 6]
```

```
// your code here
```

6.10 Divisors

Print all the numbers from listOfNumbers

that are divisible by at least one number from divisors.

```
var listOfNumbers = [1, 2, 3, 10, 100]
```

```
var divisors = [7, 5]
```

```
// your code here
```

6.11 Greatest divisor of all

Find and print the greatest common divisor of all the numbers in numbers.

A common divisor of a list of numbers is a number that divides all of them.

```
var numbers = [12, 36, 720, 18]
```

```
// your code here
```

6.12 Fibonacci

Generate the first N numbers in the fibonacci sequence. Store them in an array named fibonacci and print them one on each line.

```
var N = 30
```

```
// your code here
```

6.13 Divisors

Given a number find and store all its divisors in an array called divisors, then print the divisors in ascending order on separate lines.

```
var number = 60  
var divisors: [Int] = []
```

```
// your code here
```

6.14 Digits

Find and store the digits of number from left to right in an array digits, and then print the digits on separate lines.

```
var number = 12345  
var digits: [Int] = []
```

```
// your code here
```

6.15 Unique

Create a list unique with all the unique numbers from listOfNumbers, and then print the numbers on separate lines.

```
var listOfNumbers = [1, 2, 3, 1, 2, 10, 100]  
var unique: [Int] = []
```

```
// your code here
```