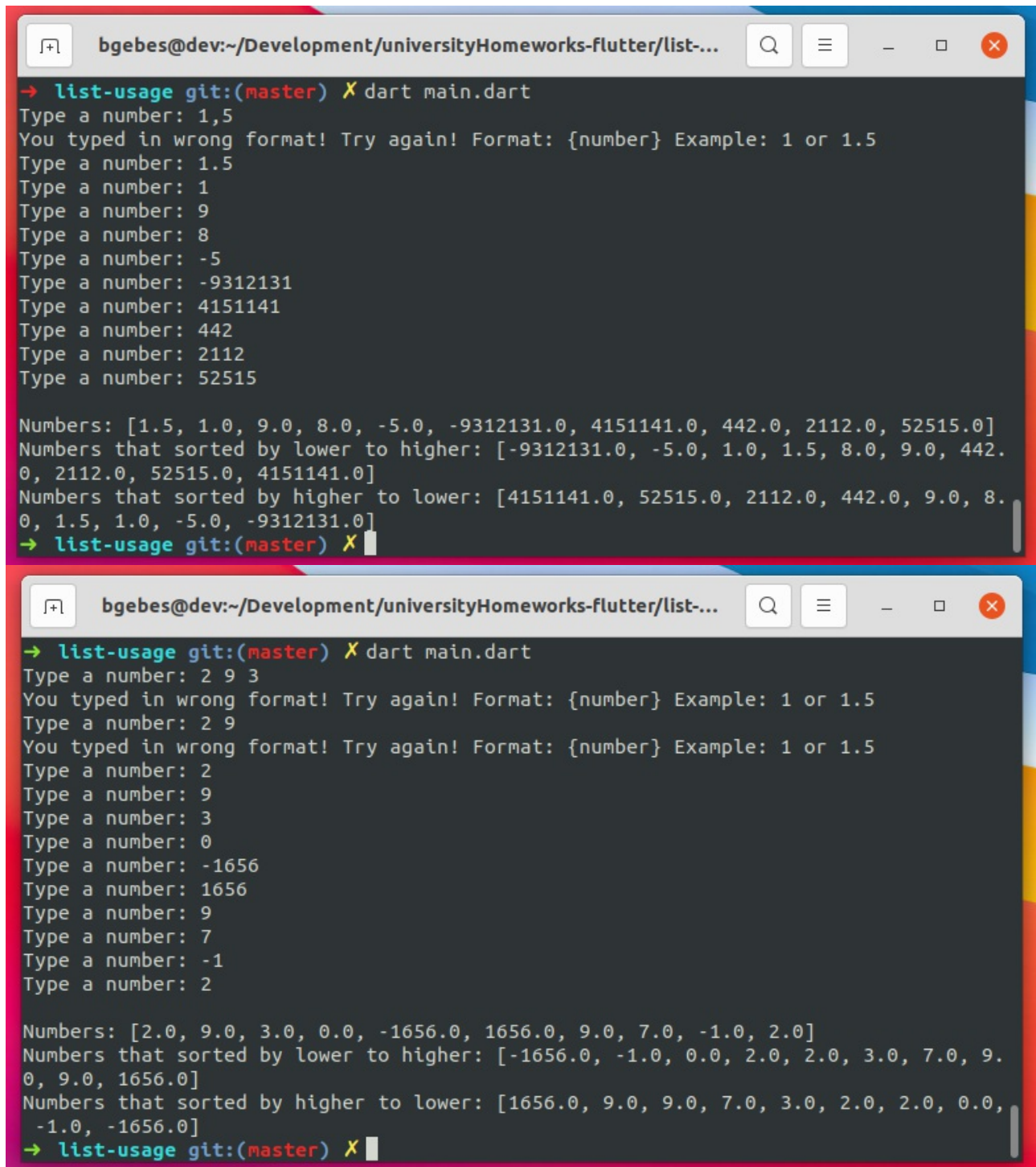


Ondokuz Mayıs Üniversitesi Mobil Programlama Ödevi

Github Link

<https://github.com/bgebes/universityHomeworks-flutter/tree/master/list-usage>

Ekran Görselleri



```
bgebes@dev:~/Development/universityHomeworks-flutter/list-...  
→ list-usage git:(master) X dart main.dart  
Type a number: 1,5  
You typed in wrong format! Try again! Format: {number} Example: 1 or 1.5  
Type a number: 1.5  
Type a number: 1  
Type a number: 9  
Type a number: 8  
Type a number: -5  
Type a number: -9312131  
Type a number: 4151141  
Type a number: 442  
Type a number: 2112  
Type a number: 52515  
  
Numbers: [1.5, 1.0, 9.0, 8.0, -5.0, -9312131.0, 4151141.0, 442.0, 2112.0, 52515.0]  
Numbers that sorted by lower to higher: [-9312131.0, -5.0, 1.0, 1.5, 8.0, 9.0, 442.0, 2112.0, 52515.0, 4151141.0]  
Numbers that sorted by higher to lower: [4151141.0, 52515.0, 2112.0, 442.0, 9.0, 8.0, 1.5, 1.0, -5.0, -9312131.0]  
→ list-usage git:(master) X  
  
bgebes@dev:~/Development/universityHomeworks-flutter/list-...  
→ list-usage git:(master) X dart main.dart  
Type a number: 2 9 3  
You typed in wrong format! Try again! Format: {number} Example: 1 or 1.5  
Type a number: 2 9  
You typed in wrong format! Try again! Format: {number} Example: 1 or 1.5  
Type a number: 2  
Type a number: 9  
Type a number: 3  
Type a number: 0  
Type a number: -1656  
Type a number: 1656  
Type a number: 9  
Type a number: 7  
Type a number: -1  
Type a number: 2  
  
Numbers: [2.0, 9.0, 3.0, 0.0, -1656.0, 1656.0, 9.0, 7.0, -1.0, 2.0]  
Numbers that sorted by lower to higher: [-1656.0, -1.0, 0.0, 2.0, 2.0, 3.0, 7.0, 9.0, 9.0, 1656.0]  
Numbers that sorted by higher to lower: [1656.0, 9.0, 9.0, 7.0, 3.0, 2.0, 2.0, 0.0, -1.0, -1656.0]  
→ list-usage git:(master) X
```

Kodlar

```
// main.dart

import 'dart:io';

void main() {
  List<double> numbers = getNumbersFromConsoleAsList(10);
  List<double> sortedNumbers_Lower = sortArray(numbers);
  List<double> sortedNumbers_Higher = sortedNumbers_Lower.reversed.toList();

  print("\nNumbers: $numbers");
  print("Numbers that sorted by lower to higher: $sortedNumbers_Lower");
  print("Numbers that sorted by higher to lower: $sortedNumbers_Higher");
}

double getNumberFromConsole() {
  stdout.write("Type a number: ");
  String? temp = stdin.readLineSync();

  if (temp!.contains(' ') ||
      temp.contains(',') ||
      temp == '-0' ||
      temp.length < 1) {
    print(
      "You typed in wrong format! Try again! Format: {number} Example: 1 or 1.5 or 0");
    return getNumberFromConsole();
  }

  return double.parse(temp);
}

List<double> getNumbersFromConsoleAsList(int length) {
  List<double> temp = [];

  for (int i = 0; i < length; i++) {
    double input = getNumberFromConsole();
    temp.add(input);
  }

  return temp;
}

List<double> sortArray(List<double> array) {
  List<double> temp = [...array];
  temp.sort();

  return temp;
}
```