Programming A2 version A

1a. Determine the smallest even number and the greatest odd number in an integer sequence. (Input, output, postcondition, algorithm, PoA's name)

2a. We know the birth year of N friends. Write an algorithm that gives how many of them are of the same age. (Input, output, postcondition, algorithm, PoA's name)

3a. There are N locations selling cars in a city. We know where to buy what kind of car (dealer's name, car type) in pairs. Specify the total number of cars you can buy in the city! (Input, output, postcondition, algorithm, PoA's name)

4a. The water temperature was measured at N locations of Lake Balaton for M days. List the days with the highest temperatures that mostly deviate from the average for the whole period (Input, output, postcondition, algorithm, PoA's name)

Programming A2 version B

1b. Determine the greatest positive number and the smallest negative number in an integer sequence. (Input, output, postcondition, algorithm, PoA's name)

2b. We know about N people on what day of the week they were born. Write an algorithm that gives which day of the week most people were born! (Input, output, postcondition, algorithm, PoA's name)

3b. There are N locations selling cars in a city. We know where to buy what kind of car (dealer's name, car type) in pairs. Specify the number of dealers in the city! (Input, output, postcondition, algorithm, PoA's name)

4b. The water temperature was measured at N locations of Lake Balaton for M days. List the days with the lowest temperatures that deviate least from the average for the whole period (Input, output, postcondition, algorithm, PoA's name)

Programming retake A2 R version

1r. We measured the temperature of Lake Balaton for n days. Write an algorithm that gives the two adjacent days when the two-day average temperature was the highest. (Input, output, postcondition, algorithm, PoA's name)

2r. Write an algorithm that decides whether the maximum of the odd or the maximum of the even elements in an integer sequence is greater. (Input, output, postcondition, algorithm, PoA's name)

3r. We measured the temperature of Lake Balaton at Siófok on N days. Write an algorithm that defines a period where the temperature was greater than 20 degrees, and before and after of this period the temperature was smaller. (Input, output, postcondition, algorithm, PoA's name)

4r. The water temperature was measured at N locations of Lake Balaton for M days. List the days with the lowest temperatures that deviate least from the average for the whole period (Input, output, postcondition, algorithm, PoA's name)