1. Write a program which reads in scores of up to 10 students in a class (with q to quit) and then displays the following information on the screen:
   - Average score
   - Highest score
   - How much each score differs from the highest score

   Sample Run:

   Enter 5 scores:

   5 9 2 10 6 8 q

   The average score is 6.66667

   The highest score is 10

   The scores and their differences from the highest are:

   5 off by 5

   9 off by 1

   2 off by 8

   10 off by 0

   6 off by 4

   8 off by 2

   [Marks 25]

2. Write a program that takes 5 lower case letters from the user as characters and fills them in an array of characters. Your program should replace all the elements of this array with upper case letters. Print the contents of the modified array afterwards.
   [Marks 25]

3. Write a program which takes 10 integers from the user and stores them in an array. The program then asks the user for a target number to search for in the array. Search for the target number, if found more than once then replace all the occurrences with zero except its first occurrence. Display the updated array at the end.
   [Marks 25]

4. Write a program which stores 5 words in an array of type string and computes the length of each element of this array. Your program should store these lengths in another array of the same size (i.e 5). The elements of the 2nd array should store the lengths of corresponding elements of the 1st array. Display both the arrays on the screen but in the following format:

```
Word           Length

Say            3
hello          5
to             2
the            3
world!         6
```

[Marks 25]