Problems on arrays

Problem 1   Write a complete C++ program that does the following.

1. It asks the user to enter to enter 250 integers.
2. It prints out exactly the negative numbers entered by the user in the reverse of their order of input.

Problem 2   Write a complete C++ program that does the following.

1. It asks the user to enter to enter 250 integers.
2. It computes the average of the 250 integers that the user supplies.
3. It prints out exactly those numbers entered by the user that differ from the average by no more than 10.

Problem 3   Write a complete C++ program that does the following.

1. The program asks the user to enter 1000 single digit integers.
2. It then outputs the number of times that each digit was seen.

For example, if the user enters $3, 1, 4, 1, 5, 9, \ldots, 9, 8$ where 0 appears 93 times, 1 appears 116 times, ..., 9 appears 105 times, the output would be:

```
0 count 93, 1 count 116, 2 count 103, 3 count 103, 4 count 93,
5 count 97, 6 count 94, 7 count 95, 8 count 101, 9 count 105.
```