Pure Practice:

1. Intellias task – find the largest palindrome made of product of two 3-digit numbers
2. Softserve task:
   a. generate file with 5000 names/words (random letters are fine)
   b. Read that file and sort the names in ascending order. Try WO and with STL
   c. Optionally – calculate hash of this dictionary: first, find "weight" of each word by the following law: word weight is sum of weights of its letters, like A – 1, B – 2, C – 3... Such, word ADDA = 1 + 4 + 4 + 1 = 10. Second, sum up all the weights of the words.
3. Connect Gtest to Qt project. Write unit tests for sorting module of the previous task

Pure theory:

1. Vector<bool>

Theory + practice:

2. Remove idiom. Generate vector of 10 unique random int's, then remove all integers equal to 8. Remember of std::iota and std::random_shuffle.