**01 Fundamentals EXAM**

Write C++ code for solving the tasks on the following pages.

Code should compile under the C++03 or the C++11 standard.

Please follow the exact instructions on uploading the solutions for each task.

**Task 2 – Filter Array by Order**

Write a program, use an array of chars (max char 100), that by inputed characters filters them in order:

1) Numbers

2) Small case letters

3) All others (Caps letters, symbols)

**Example 1**

**Enter size of array :** 5

**array[0] =** 1

**array[1] =** 2

**array[2] =** 3

**array[3] =** h

**array[4] =** H

**1 2 3**

**h**

**H**

**Program ended with exit code: 0**

**Example 2**

**Enter size of array :** 3

**array[0] =** 1

**array[1] =** 2

**array[2] =** X

**1 2**

**X**

**Program ended with exit code: 0**

**Example 3**

**Enter size of array :** 5

**array[0] =** 1

**array[1] =** 2

**array[2] =** 3

**array[3] =** \*

**array[4] =** &

**1 2 3**

**\* &**

**Program ended with exit code: 0**