#include <iostream>

#include <vector>

#include <algorithm>

void print\_array(const int\* const arr, const int size)

{

for (int i = 0; i < size; ++i)

{

std::cout << arr[i] << ' ';

}

std::cout << std::endl;

}

void print\_array(std::vector<int>& arr)

{

for (int i = 0; i < arr.size(); ++i)

{

std::cout << arr.at(i) << ' ';

}

std::cout << std::endl;

}

std::vector<int> remove\_nagative(int\* arr, const int size)

{

std::vector<int> result;

for (int i = 0; i < size; ++i)

{

if (arr[i] >= 0)

{

result.push\_back(arr[i]);

}

}

return result;

}

void find\_all\_vowels(std::string str)

{

std::vector<char> vowels{ a', 'e', 'i', 'o', 'u', 'y', 'A', 'E', 'I', 'O', 'U', 'Y'};

for (int i = 0; i < str.length(); ++i)

{

if (std::find(vowels.begin(), vowels.end(), str[i]) != vowels.end())

{

std::cout << str[i] << ' ';

}

}

std::cout << std::endl;

}

int main()

{

setlocale(LC\_ALL, "Russian");

const int SIZE = 10;

int arr[SIZE]{ -1, 2, 100, -1, 30, 30, -3, 20, -80, 11 };

std::cout << "»значальный массив: " << std::endl;

print\_array(arr, SIZE);

std::vector<int> new\_arr = remove\_nagative(arr, SIZE);

std::cout << "ѕолученный массив" << std::endl;

print\_array(new\_arr);

std::cout << "--------------------------" << std::endl;

std::string str = "nahogdenie glasnih";

std::cout << "»сходна€ строка: " << str << std::endl;

std::cout << "√ласные в строке: " << std::endl;

find\_all\_vowels(str);

}