№1

// Online C++ compiler to run C++ program online

#include <iostream>

int main() {

int array[7] = {2, 3, 4, 5, 2, 8, 10};

for (int i = 0; i < 7; i++)

{

std::cout << array[i] << std::endl;

}

return 0;

}

№2.1

// Online C++ compiler to run C++ program online

#include <iostream>

int main() {

int arr[] = {500, 4, 24, 15, 100, 105};

int arrLength = sizeof(arr)/sizeof(arr[0]);

int sum = 0;

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

{

sum += arr[i];

}

std::cout << sum << std::endl;

return 0;

}

№2.2

// Online C++ compiler to run C++ program online

#include <iostream>

int main() {

int arr[] = {500, 4, 24, 15, 100, 105};

int arrLength = sizeof(arr)/sizeof(arr[0]);

int sum = 0;

int i = 0;

while (i < arrLength) {

sum += arr[i];

i++;

}

std::cout << sum << std::endl;

return 0;

}

№3

// Online C++ compiler to run C++ program online

#include <iostream>

int main() {

int arr[7] = {2, 3, 4, 5, 2, 8, 10};

int mulCount = 0;

int num;

std::cout << "Введите число для проверки на кратность: ";

std::cin >> num;

for (int i = 0; i < 7; i++)

{

if (arr[i] % num == 0)

{

mulCount++;

}

}

std::cout << mulCount << std::endl;

return 0;

}

№4

// Online C++ compiler to run C++ program online

#include <iostream>

int main() {

int arr[] = {5, 4, 3, 4, 9};

int arrLength = sizeof(arr)/sizeof(arr[0]);

int max = arr[0];

int min = arr[0];

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

{

if (arr[i] > arr[i - 1])

{

max = arr[i];

}

}

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

{

if (arr[i] < arr[i - 1])

{

min = arr[i];

}

}

std::cout << max - min << std::endl;

return 0;

№5

// Online C++ compiler to run C++ program online

#include <iostream>

int main() {

int arr[] = {5, 4, 3, 4, 9};

int arrLength = sizeof(arr)/sizeof(arr[0]);

int max = arr[0];

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

{

if (arr[i] > arr[i - 1])

{

max = i;

}

}

std::cout << max << std::endl;

return 0;

}

№6

// Online C++ compiler to run C++ program online

#include <iostream>

using namespace std;

int main()

{

int size = 10;

int \*a = new int[size];

int sum = 0;

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

{

a[i] = i;

}

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

{

sum += a[i];

}

std::cout << sum;

return 0;

}

№7

// Online C++ compiler to run C++ program online

#include <iostream>

#include <cstring>

using namespace std;

int main()

{

int size = 5;

int \*a = new int[size];

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

{

cin >> a[i];

}

for(int i = 0; i < size/2; i++)

{

int din = 0;

din = a[i];

a[i] = a[size-i - 1];

a[size -i - 1] = din;

}

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

{

cout << a[i];

}

delete a;

return 0;

}

№8

// Online C++ compiler to run C++ program online

#include <iostream>

#include <string>

using namespace std;

int main()

{

int counter = 0;

char stroka [] = {"AaBbCcDdEeFfGgggggg"};

int strLength = sizeof(stroka)/sizeof(stroka[0]);

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

{

if (isupper(stroka[i]))

{

counter++;

}

}

cout << counter;

return 0;

}

№9

// Online C++ compiler to run C++ program online

#include <iostream>

using namespace std;

int main()

{

int counter = 0;

char stroka [] = {"Aaa1323#aa"};

int strLength = sizeof(stroka)/sizeof(stroka[0]);

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

{

if (stroka[i] == 'A')

{

counter++;

}

}

cout << counter;

return 0;

}

№10

// Online C++ compiler to run C++ program online

#include <iostream>

#include <string>

using namespace std;

int main()

{

char stroka [] = {"aaaabbbbccccdddd"};

int strLength = sizeof(stroka)/sizeof(stroka[0]);

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

{

stroka[i] = toupper(stroka[i]);

}

cout << stroka;

return 0;

}