Лекція 7.

Рядки.

Приклад 1.

#include <iostream>

using namespace std;

int main()

{

char s[] = "Hello World";

cout << s << endl;

for (int i = 0; i < sizeof(s); i++)

cout << s[i] << ",";

cout << endl;

cout << endl;

for (int i = 0; i < sizeof(s); i++)

cout << (int)s[i] << ",";

return 0;

}

Приклад 2.

#include <stdio.h>

#include <string.h>

int k, i, l;

bool found;

char s[100];

void main()

{

puts("Input string");

gets\_s(s);

l = strlen(s);

found = false;

i = 0;

while ((i < l) && !found)

{

if (s[i] == 'o')

{

found = true;

k = i;

}

i++;

}

if (found)

{

printf("Yes, index of character 'o' %d", k);

}

else

{

puts("Ні");

}

getchar();

}

Приклад 3.

#include <iostream>

using namespace std;

int main()

{

int i;

char s[] = "Hello World";

cout << s << endl;

i = 0;

while (s[i] != '\0')

{

cout << s[i] << ",";

i++;

}

cout << endl;

return 0;

}

Приклад 4.

#include <iostream>

using namespace std;

int main()

{

int i(0); //i=0

char ascii\_code(0); //ascii\_code =0 - ASCII -код символа

char s[] = "Hello World";

cout << s << endl;

while (s[i])

{

ascii\_code = s[i];

if ('a' <= ascii\_code && ascii\_code <= 'z')

{

ascii\_code -= 32;

}

cout << ascii\_code;

i++;

}

cout << endl;

return 0;

}

Приклад 5.

#include <iostream>

using namespace std;

int main()

{

int i(0); //i=0

int ascii\_code(0); //ascii\_code =0 - ASCII -код символа

char s[] = "Hello World";

cout << s << endl;

while (s[i] != '\0')

{

ascii\_code = (int)s[i];

if ((int)'a' <= ascii\_code && ascii\_code <= (int)'z')

{

ascii\_code -= 32;

}

cout << (char)ascii\_code;

i++;

}

cout << endl;

return 0;

}

Приклад 6.

#include <stdio.h>

#include <string.h>

int k, i, l;

bool found;

char s[100];

void main()

{

puts("Input string");

gets\_s(s);

l = strlen(s);

found = false;

i = 0;

while ((i < l) && !found)

{

if (s[i] == 'o')

{

found = true;

k = i;

}

i++;

}

if (found)

{

printf("Yes, index of character 'o' %d\n\n", k);

}

else

{

puts("No\n\n");

}

char\* sPtr;

sPtr = strchr(s, ' ');

//printf("\ncharacter = %c\n", sPtr);

int i = 0;

while (sPtr[i])

{

printf("%c", sPtr[i]);

i++;

}

getchar();

}

Приклад 7.

#include <iostream>

#include <string>

using namespace std;

int main()

{

char fullName[20];

cout << "Enter your full name: ";

cin.getline(fullName, 20); // <--------- Note

cout << "Your name is: " << fullName << endl;

getchar();

return 0;

}

Приклад 8.

#include <iostream>

using namespace std;

int main()

{

char s[] = "Hello World";

char t[100];

char\* dt;

char\* st;

st = s; // s - &s[0]

dt = t;

cout << endl << st;

char\* beg = dt;

while (\*st != '\0')

{

\*dt++ = \*st++;

}

\*dt = 0;

cout << endl << beg << endl;

return 0;

}