Task7 **scope operator**

To access a global variable when there is a local variable with same nam

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| --- |
| #include<iostream>  using namespace std;    int x;  // Global x    int main()  {    int x = 10; // Local x    cout << "Value of global x is " << ::x;    cout << "\nValue of local x is " << x;    return 0;  } |

Output:

Value of global x is 0

Value of local x is 10

2) #include <stdio.h>

int main() {

char line[150];

int vowels, consonant, digit, space;

vowels = consonant = digit = space = 0;

printf("Enter a line of string: ");

fgets(line, sizeof(line), stdin);

for (int i = 0; line[i] != '\0'; ++i) {

if (line[i] == 'a' || line[i] == 'e' || line[i] == 'i' ||

line[i] == 'o' || line[i] == 'u' || line[i] == 'A' ||

line[i] == 'E' || line[i] == 'I' || line[i] == 'O' ||

line[i] == 'U') {

++vowels;

} else if ((line[i] >= 'a' && line[i] <= 'z') || (line[i] >= 'A' && line[i] <= 'Z')) {

++consonant;

} else if (line[i] >= '0' && line[i] <= '9') {

++digit;

} else if (line[i] == ' ') {

++space;

}

}

printf("Vowels: %d", vowels);

printf("\nConsonants: %d", consonant);

printf("\nDigits: %d", digit);

printf("\nWhite spaces: %d", space);

return 0;

}

**Output**

Enter a line of string: adfslkj34 34lkj343 34lk

Vowels: 1

Consonants: 11

Digits: 9

White spaces: 2