

```

using namespace std;
#include <fstream>
#include <iostream>
#include <string>

int main()
{
    ifstream fin;

    int i, pos = 0;

    string name, temp1("Darrell"), temp2("Wright");
    string last;

// Written for string types
//-----

    fin.open("strdata2.txt");

    getline(fin, name);
    cout << name << endl;
    cout << "Length of string is " << name.length() << "\n";
    pos = name.find(temp2, pos);
    last = name.substr(pos, name.length() - pos);
    cout << "Last name is " << last << endl;
    cout << "Last name location is " << pos << "\n\n";
    fin.close();

// Written for C strings Array of characters
//-----

    const int size = 80;
    char line[size], lastname[size] = "", temp[20] = "Wright";

    fin.open("strdata2.txt");

    fin.getline(line, size);
    cout << line << endl;
    cout << "Length of characters in string array is " << strlen(line) << "\n";

    strcat_s(lastname, strstr(line, temp));
    cout << "Last name is " << lastname << endl;
    //cout << "Lastname is " << name.substr(pos, name.length() - pos);

    fin.close();
    cin >> i;
    return 0;
}

```

```

Darrell Wright
Length of string is 14
Last name is Wright
Last name location is 8

Darrell Wright
Length of characters in string array is 14
Last name is Wright

```