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| **EX05-02.cpp:** *Using* ***sizeof*** *Keyword* |
| **Line#** | **Code** |
| 1234567891011121314151617181920212223242526272829303132333435363738394041424344454647484950515253 | #include <iostream>using namespace std;struct Date { unsigned char day;//1..31 unsigned char month;//1..12. 1=January, 12=December unsigned short year;// 0..65525};struct Student { const char\* Name;//8 unsigned char Age;//1 float CGPA;//4 char Grades[5];//5 Date DOB;//4};int main() { Student p; p.Name = "Yong Tau Foo"; Student\* pp = &p; pp->Name = "Low Shi Fun"; (\*pp).Name = "Low Mee"; cout << "sizeof(char)=" << sizeof(char) << endl; cout << "sizeof(short)=" << sizeof(short) << endl; cout << "sizeof(int)=" << sizeof(int) << endl; cout << "sizeof(long)=" << sizeof(long) << endl; cout << "sizeof(unsigned char)=" << sizeof(unsigned char) << endl; cout << "sizeof(unsigned short)=" << sizeof(unsigned short) << endl; cout << "sizeof(unsigned int)=" << sizeof(unsigned int) << endl; cout << "sizeof(unsigned long)=" << sizeof(unsigned long) << endl; cout << "sizeof(float)=" << sizeof(float) << endl; cout << "sizeof(double)=" << sizeof(double) << endl; cout << "sizeof(bool)=" << sizeof(bool) << endl; cout << "sizeof(char\*)=" << sizeof(char\*) << endl; cout << "sizeof(short\*)=" << sizeof(short\*) << endl; cout << "sizeof(int\*)=" << sizeof(int\*) << endl; cout << "sizeof(long\*)=" << sizeof(long\*) << endl; cout << "sizeof(float\*)=" << sizeof(float\*) << endl; cout << "sizeof(double\*)=" << sizeof(double\*) << endl; cout << "sizeof(bool\*)=" << sizeof(bool\*) << endl; int n; cout << "sizeof(n)=" << sizeof(n) << endl; cout << "sizeof(Date)=" << sizeof(Date) << endl; cout << "sizeof(Student)=" << sizeof(Student) << endl; Student students[5]; cout << "sizeof(students)=" << sizeof(students) << endl; char\* v1, v2; cout << "sizeof(v1)=" << sizeof(v1) << endl; cout << "sizeof(v2)=" << sizeof(v2) << endl; return 0;} |