Follow Coding Standards

Day 10 Assignments

1. Create a data file that contains Name, Sex and Phone no of customers. Write the data to the file and store the details of male customers in to one file and female customers into another file.
2. There are two classes to maintain the day of a year. The first class maintains a Gregorian date .i.e with month and day fields. The second class maintains a ordinal date, i.e the absolute day number of the year.(Jan 31 is 31, Feb 28 is 59 (31 + 28)) etc. Implement the required member functions and test the classes with the given main function. Use a global array as below.

int DayTable [] = { 31, 28, 31,30,31,30, 31, 31, 30,31,30,31 };

class GDate {

int month;

int day;

public:

…..

}

class ODate {

int days;

public:

…..

}

int main() {

GDate Gd1(3,2);

Odate Od1(Gd1);

cout << Gd1 << “ is “ << Od1 << “th day of the year “;<< endl;

ODate Od2(50);

GDate Gd2(Od2);

cout << Gd2 << “ is “ << Od2 <<” th day of the year”;<< endl;

}

1. Create two classes DM and DB, which store the value of distances. DM stores distances in meters and centimeters and DB in feet and inches. Implement the

operator overloaded member function for ‘+’ operator in both the classes to add one

object of DM with an object of DB and vice versa .Also implement type conversions

properly.

void main ()

{

DM dm1 (10,20);

DM dm2;

DB db1 ( 4,10);

DB db2;

dm2 = dm1 + db1;

db2 = db1 + dm1;

dm2 .Display();

db2 .Display();

}

Display() should be in the format of feet and inches or meters and centimeters.

Hint: 1 meter = 100 cm

1 foot = 12 inches

1 inch = 2.5 cm

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