Task 4:

Task 4:

#include<iostream>

using namespace std;

class date

{

public:

date(int m= 0, int d= 0, int y= 0);

void setdate(int m, int d, int y);

int month;

int day;

int year;

};

date::date(int m, int d, int y)

{

m = 0; d = 0; y = 0;

}

void date::setdate(int m, int d, int y)

{

month = m;

month = (m >= 1 && m <= 12) ? m : 0;

day = (d >= 1 && d < 31) ? d : 0;

year = (y >= 0) ? y : 0;

}

int main()

{

date var;

cout << "enter months : ";

cin >> var.month;

cout << "\nenter day : ";

cin >> var.day;

cout << "\nenter year : ";

cin >> var.year;

var.setdate(var.month,var.day,var.year);

cout << "\ndates are : \n";

cout << var.month<<"/";

cout << var.day<< "/";

cout << var.year << endl;

switch (var.month)

{

case 1:

{

cout << "january " << var.day << " , " << var.year<<endl;

cout<< var.day<<" january " << " " << var.year;

break;

}

case 2:

{

cout << "february " << var.day << " , " << var.year << endl;

cout << var.day << " february " << " " << var.year;

break;

}

case 3:

{

cout << "march" << var.day << " , " << var.year << endl;

cout << var.day << " march " << " " << var.year;

break;

}

case 4:

{

cout << "april " << var.day << " , " << var.year << endl;

cout << var.day << " april " << " " << var.year;

break;

}

case 5:

{

cout << "may " << var.day << " , " << var.year << endl;

cout << var.day << " may " << " " << var.year;

break;

}

case 6:

{

cout << "june " << var.day << " , " << var.year << endl;

cout << var.day << " june " << " " << var.year;

break;

}

case 7:

{

cout << "july " << var.day << " , " << var.year << endl;

cout << var.day << " july " << " " << var.year;

break;

}

case 8:

{

cout << "august " << var.day << " , " << var.year << endl;

cout << var.day << " august " << " " << var.year;

break;

}

case 9:

{

cout << "september " << var.day << " , " << var.year << endl;

cout << var.day << " september " << " " << var.year;

break;

}

case 10:

{

cout << "october " << var.day << " , " << var.year << endl;

cout << var.day << " october " << " " << var.year;

break;

}

case 11:

{

cout << "november " << var.day << " , " << var.year << endl;

cout << var.day << " november " << " " << var.year;

break;

}

case 12:

{

cout << "december " << var.day << " , " << var.year << endl;

cout << var.day << " december " << " " << var.year;

break;

}

default:

cout << "wrong input ";

break;

}

}

------------------------------OR----------------------------------------

#include<iostream>

using namespace std;

class date

{

public:

date(int m= 0, int d= 0, int y= 0);

void input();

void setdate(int m, int d, int y);

void output(int month, int day, int year);

private:

int month;

int day;

int year;

};

date::date(int m, int d, int y)

{

m = 0; d = 0; y = 0;

}

void date::setdate(int m, int d, int y)

{

month = m;

month = (m >= 1 && m <= 12) ? m : 0;

day = (d >= 1 && d < 31) ? d : 0;

year = (y >= 0) ? y : 0;

output( month, day, year);

}

void date::output(int month, int day, int year)

{

cout << "\ndates are : \n";

cout << month << "/";

cout << day << "/";

cout << year << endl;

switch (month)

{

case 1:

{

cout << "january " << day << " , " << year << endl;

cout << day << " january " << " " << year;

break;

}

case 2:

{

cout << "february " << day << " , " << year << endl;

cout << day << " february " << " " << year;

break;

}

case 3:

{

cout << "march" << day << " , " << year << endl;

cout << day << " march " << " " << year;

break;

}

case 4:

{

cout << "april " << day << " , " << year << endl;

cout << day << " april " << " " << year;

break;

}

case 5:

{

cout << "may " << day << " , " << year << endl;

cout << day << " may " << " " << year;

break;

}

case 6:

{

cout << "june " << day << " , " << year << endl;

cout << day << " june " << " " << year;

break;

}

case 7:

{

cout << "july " << day << " , " << year << endl;

cout << day << " july " << " " << year;

break;

}

case 8:

{

cout << "august " << day << " , " << year << endl;

cout << day << " august " << " " << year;

break;

}

case 9:

{

cout << "september " << day << " , " << year << endl;

cout << day << " september " << " " << year;

break;

}

case 10:

{

cout << "october " << day << " , " << year << endl;

cout << day << " october " << " " << year;

break;

}

case 11:

{

cout << "november " << day << " , " << year << endl;

cout << day << " november " << " " << year;

break;

}

case 12:

{

cout << "december " << day << " , " << year << endl;

cout << day << " december " << " " << year;

break;

}

default:

cout << "wrong input ";

break;

}

}

void date::input()

{

int m, d, y;

cout << "enter months : ";

cin >> m;

cout << "\nenter day : ";

cin >> d;

cout << "\nenter year : ";

cin >> y;

month = m;

day = d;

year = y;

setdate( m, d, y);

}

int main()

{

date obj;

obj.input();

}

