#include<iostream>

#include<conio.h>

#include<string>

using namespace std;

//----------DATE----------

class Date

{

protected:

int month, day, year;

public:

Date(int dy, int mn, int yr)

{

if (mn > 0 && mn <= 12)

{

month = mn;

}

else

{

month = 1;

}

day = dy;

year = yr;

}

void set\_Date(int d)

{

day = d;

}

int get\_Date()

{

return day;

}

void set\_Month(int m)

{

month = m;

}

int get\_Month()

{

return month;

}

void set\_year(int y)

{

year = y;

}

int get\_Year()

{

return year;

}

void print\_Date()

{

cout << day << "/" << month << "/" << year << endl;

}

};

//----------EMPLOYEE----------

class Employee:public Date

{

protected:

string first\_name;

string last\_name;

int monthly\_Salary;

public:

Employee(string first, string last, int m\_n, int d, int m, int y) :Date(d,m,y)

{

first\_name = first;

last\_name = last;

monthly\_Salary = m\_n;

}

void set\_First\_Name(string F\_N)

{

first\_name = F\_N;

}

string get\_Date()

{

return first\_name;

}

void set\_Last\_Name(string L\_N)

{

last\_name=L\_N;

}

string get\_Last\_Name()

{

return last\_name;

}

void set\_Monthly\_Salary(int M\_N)

{

if (M\_N < 0)

{

monthly\_Salary = 0;

}

else

{

monthly\_Salary = M\_N;

}

}

int get\_Year()

{

return monthly\_Salary;

}

void print()

{

cout << "First name is:" << first\_name << endl;

cout << "Last name is:" << last\_name << endl;

cout << "Monthly salary is:" << monthly\_Salary << endl;

}

};

void main()

{

string L\_n, F\_n;int M\_s, day, month, year;

cout << "DEFAULT VALUES:" << endl;

Employee obj("Shaheer", "Khan", 3000,1,1,1);

obj.print\_Date();

obj.print();

cout << "--------USER VALUES--------:" << endl;

cout << "Enter First\_Name:" << endl;

cin >> F\_n;

obj.set\_First\_Name(F\_n);

cout << "Enter Last\_Name:" << endl;

cin >> L\_n;

obj.set\_Last\_Name(L\_n);

cout << "Enter Monthly\_Salary:" << endl;

cin >> M\_s;

obj.set\_Monthly\_Salary(M\_s);

cout << "Enter Date(day,month,year):" << endl;

cin >> day >> month >> year;

obj.set\_Date(day);

obj.set\_Month(month);

obj.set\_year(year);

obj.print();

obj.print\_Date();

system("pause");

}