

```

#include <iostream>
using namespace std;

class birthday{
private:
    int year;
    int month;
    int day;
public:
    birthday(int year, int month, int day){
        this->year = year;
        this->month = month;
        this->day = day;
    }

    void print(){
        cout<<year<<" "<<month<<" "<<day<<endl;
    }
};

class address{
private:
    string city;
    int m;
    int z;
    int d;

public:
    address(string city, int m, int z, int d){
        this->city = city;
        this->m=m;
        this->z=z;
        this->d=d;
    }

    void print(){
        cout<<city<<endl;
    }
};

class student{
private:
    string name;
    int level;
    string branch;
    birthday date;
    address adr;

public:
    student(string name, int level, string branch, int year, int month,
int day, string city, int m, int z, int d):date(year, month,
day),adr(city,m,z,d){
        this->name = name;
        this->level = level;
        this->branch = branch;

```

```

{

    void print{()
    cout<<name<<" "<<level<<" "<<branch<<endl;
    date.print:()
    adr.print:()
}

: {

int main()
{

    student *s1;
    s1 = new student("Ali", 2, "NW", 1999, 10, 13, "baghdad", 406, 10,
30):

    s1->print:()

    delete s1:

    return 0:
}

```