

Наследование

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// Programming 1. Sample at 2017-05-18-14-06.31
#include <stdio.h>

class Person
{
public:
    char m_name [20];
    int m_age;

    void print()
    {
        printf("%p name=%s, age = %d size=%lu \n",
            this, m_name, m_age, sizeof(*this));
    }

    Person()
    {
        m_name[0]='\0';
        m_age = 0;
    }
};

class Teenager : public Person
{
    int m_bandsLiked;
public:
    void print()
    {
        printf("%p name=%s, age = %d size=%lu %d \n",
            this, m_name, m_age, sizeof(*this), m_bandsLiked);
    }
};

int main(/*int c, char **v */)
{
    Teenager t;
    Person p;
    // p.print();
    p.Teenager::print();
    t.Person::print();
    t.Teenager::print();

    printf("%lu %lu\n", sizeof(p), sizeof(t));
}
```

```
return 0;  
}
```

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