```
Inheritance
 class Person &
  public:
   sking _name;
   int age;
3;
Person p1;
Q. Does Person class has a default constructor? YES
Q. Does it have an assignment operator? YES

Shallow Copy
 V Person: Person ()
```

Class Student

Class Student

public:

string-name;

int-age;

float-gpa;

Student S1;

Shident S1;

Pare (Strup)

- age (int)

- age (int)

- age (int)

- age (int)

Person is referred to as "parent' class.

Student is referred to as 'chied' class.

"Child' class inherits members (variables) and meltods (class function) of the "parent" class.

```
Person (string name, int age)

{
-name = name;
-aco - noo.
    public:
         void print_info()
{
Cout << -name << endl;
         cont << -age << endl;
      protected:
        Sking -name;
        ent age;
3;
class Student: public Person
    protected: float -gpa;
   Student (Sking name, int age, floot gpa): Person (name, age)
```

```
Person pl ("Thon", 10);
 p1. print_info();
 Ihon
 10
Student SI ("Jane", "11", "4.3");
SI. print_info();
 Jane
 11
void Student: print_info()
                                Person : print_info();
                                 cont LL - gpa << endl;
    cont << _age << endl;
    cont << -gpa << endl;
3
```

Person +p1 = hew Student (

_age (int)

print_info()

_gpa (float)

print_info()

