

Travaux Pratiques

COURS



✚ Ce TP réalisé par :

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L'HERITAGE MULTIPLE :

Exemple :

```
#include <iostream>

using namespace std;

class point{
    int x,y;
    public :
    point(int a,int b){
        cout<<"++point.const"<<endl;
        x=a; y=b;
    }
    ~point(){
        cout<<"--point.dest"<<endl;
    }
    void afficher(){
        cout<<"point :: "<<x<<" , "<<y<<endl;
    }
};

class coul{
    short color;
    public :
    coul(int a){
        cout<<"++coul.const"<<endl;
        color=a;
    }

    ~coul(){
        cout<<"--coul.dest"<<endl;
    }
    void afficher(){
        cout<<"color : "<<color<<endl;
    }
};

class pointcoul : public point, public coul{

    public:
    pointcoul(int a, int b , int c):point(a,b), coul(c){
        cout<<"++pointcoul.const"<<endl;
    }
    ~pointcoul(){
        cout<<"--pointcoul.dest"<<endl;
    }
}
```

```

    void afficher(){
        point::afficher();
        coul::afficher();
    }
};

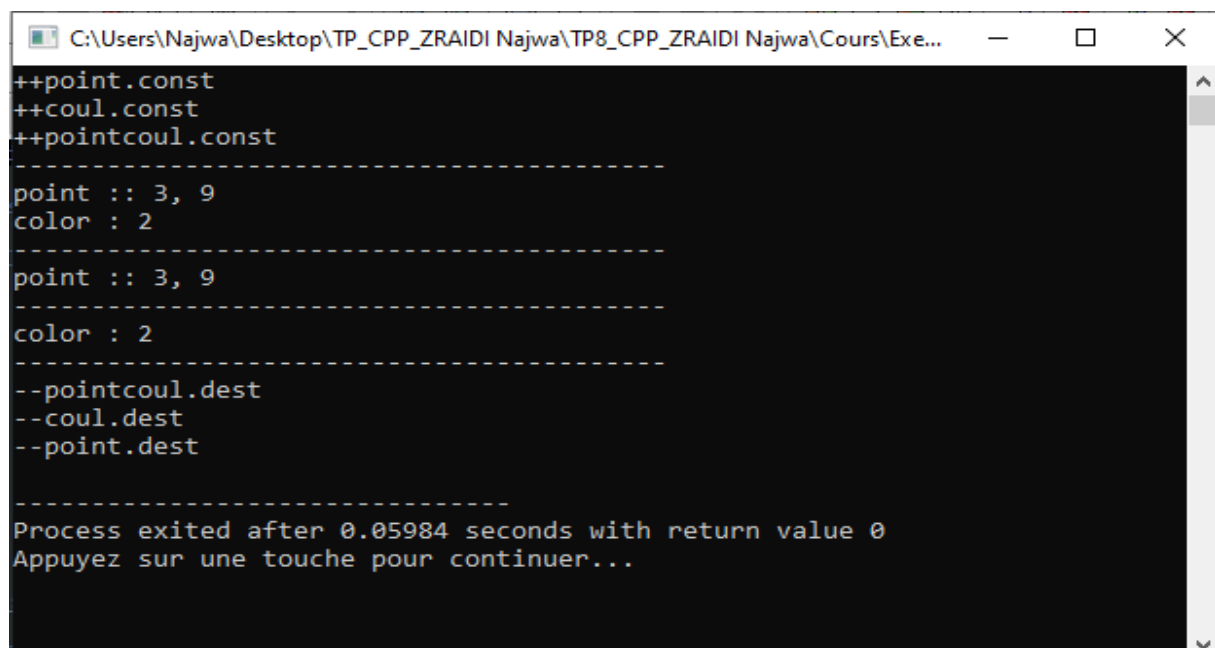
class A{};
class B1 : public A{};
class C1 : public A{};
class B : public virtual A{};
class C : public virtual A{};
class D1 : public B1,public C1{};
class D : public B,public C{};

int main(){
    pointcoul p(3,9,2);
    cout<<"-----"<<endl;
    p.afficher();
    cout<<"-----"<<endl;
    p.point::afficher();
    cout<<"-----"<<endl;
    p.coul::afficher();
    cout<<"-----"<<endl;

    return 0;
}

```

✓ L'exécution de programme donne :



```

C:\Users\Najwa\Desktop\TP_CPP_ZRAIDI Najwa\TP8_CPP_ZRAIDI Najwa\Cours\Exe...
++point.const
++coul.const
++pointcoul.const
-----
point :: 3, 9
color : 2
-----
point :: 3, 9
color : 2
-----
--pointcoul.dest
--coul.dest
--point.dest
-----
Process exited after 0.05984 seconds with return value 0
Appuyez sur une touche pour continuer...

```