static_cast und dynamic_cast

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#include <iostream>
using namespace std;
class B {
    protected: int b;
    public: B(int b=0):b(b){}
               virtual int get_b(){ return b; }
};
class D: public B { int d;
public: D(int b=0, int d=0):B(b),d(d){}
        int get_d(){ return d; }
};
void main(){
    B *pbd = new D(1,2);
    B *pbb = new B(5);
    D *pdd = new D(3,4);
// D *pd2 =(D *)(pbd); //D *pd2 = static_cast<D*>(pbd)
    D *pd2 = static_cast<D*>(pbd); //unsafe, result true
    cout<<"b = "<<pd2->get_b()<<"     "<<"     d (true) = "</pre>
        <<pd2->get_d()<<endl;
    B *pb2 = static_cast<B *>(pdd);//safe upcast
    cout << "b = " << pb2 -> get_b() << endl;
    D *pd3 = static_cast<D*>(pbb); //unsafe, result false
    <<pd><<pdd><<endl;</pr>
    pd3 = dynamic_cast<D *>(pbb);
    if(!pd3){ cout<<"pd3 == 0 (unzulaessiger Downcast)\n";</pre>
              cout << "pbb->b = " << pbb->get_b() << endl; }
    else
        cout<<"b = "<<pd3->get_b()<<" "<<" d = "
            <<pd><<pdd>->get_d()<<endl;
    try { *pd3 = dynamic_cast<D &>(*pbb);
          cout << "b = " << pd3 -> get_b() << " " << " d = " }
    catch(...){ cout<<"*pd3 unzulaessig !\n";</pre>
                cout<<"pbb->b = "<<pbb->get_b()<<endl;}</pre>
    delete pbd; pbd=0; delete pbb; pbb=0; delete pdd; pdd=0;
}
b = 1 d (true) = 2
b = 3
b = 5
        d (false) = -33686019
pd3 == 0 (unzulaeesiger Downcast)
pbb->b = 5
*pd3 unzulaessig!
pbb->b = 5
```