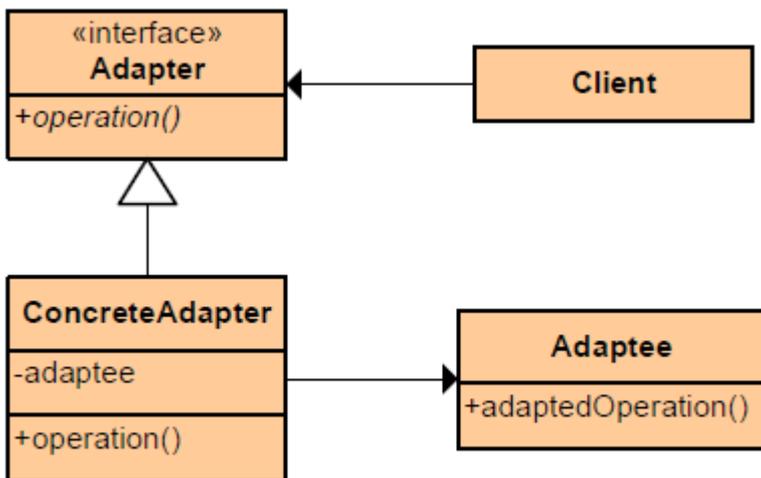


Adapter

Structural Pattern

가

- . ()
- . ()



[class_adapter.cpp](#)

```

#include <iostream>
using namespace std;

struct POINT
{
    int x,y;
  
```

```
};

//
class CShape
{
public:
    virtual void GetShapeInfo(PPOINT& ptTopLeft, PPOINT& ptBottomRight)
    {}
};

//
class CRectView
{
public:
    void GetOrigin(int x, int y)
    {
        cout << x << " " << y << endl;
    }
    void GetSize(int nWidth, int nHeight)
    {
        cout << nWidth << " " << nHeight << endl;
    }
};

//
class CRectangle : public CShape, public CRectView
{
public:
    virtual void GetShapeInfo(PPOINT& ptTopLeft, PPOINT& ptBottomRight)
    {
        GetOrigin(ptTopLeft.x, ptTopLeft.y);
        GetSize(ptBottomRight.x - ptTopLeft.x, ptBottomRight.y -
ptTopLeft.y);
    }
};

int main(void)
{
    CShape* rect = new CRectangle;

    POINT pt1 = {3, 4};
    POINT pt2 = {7, 8};

    rect->GetShapeInfo(pt1, pt2);

    delete rect;

    return 0;
}
```

[object_adapter.cpp](#)

```
class CRectangle : public CShape
{
private:
    CRectView pView;
public:
    virtual void GetShapeInfo(PPOINT& ptTopLeft, PPOINT& ptBottomRight)
    {
        pView.GetOrigin(ptTopLeft.x, ptTopLeft.y);
        pView.GetSize(ptBottomRight.x - ptTopLeft.x, ptBottomRight.y -
ptTopLeft.y);
    }
};
```

http://en.wikibooks.org/wiki/C%2B%2B_Programming/Code/Design_Patterns#Adapter
<http://showmiso.tistory.com/120>

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Last update: **2020/11/29 14:09**

