

QUESTION 2

1 points

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Question Completion Status:

```
int m_x;
Derived(int x=1):Base(x+1),m_x(x){}
void display()const{ cout << "D" << m_x; }
};

int main() {
    Derived D;
    Base& B = D;
    D.display();
    B.display();
    return 0;
}
```

What is the output? (All necessary header files are included)

☐ B2D1

☐ D1B2

☐ D1D1

☐ B2B2

Code for question 2

```
struct Base {
    int m_v;
    Base(int v = 0) :m_v(v) { }
    virtual void display()const { cout << "B" << m_v; }
};

struct Derived :public Base {
    int m_x;
    Derived(int x = 1) :Base(x + 1), m_x(x) {}
    void display()const { cout << "D" << m_x; }
};

int main() {
    Derived D;
    Base& B = D;
    D.display();
    B.display();
    return 0;
}
```