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// virtual members
#include <iostream>
using namespace std;
class Polygon {
protected:
       int width, height;
public:
       void set_values(int a, int b)
              width = a; height = b;
       }
       virtual int area()
       {
              return 0;
       }
};
class Rectangle : public Polygon {
public:
       int area()
       {
              return width * height;
       }
};
class Triangle : public Polygon {
public:
       int area()
       {
              return (width * height / 2);
       }
};
int main() {
       Rectangle rect;
       Triangle trgl;
       Polygon poly;
       Polygon * ppoly1 = ▭
       Polygon * ppoly2 = &trgl;
       Polygon * ppoly3 = &poly;
       ppoly1->set_values(4, 5);
       ppoly2->set_values(4, 5);
       ppoly3->set_values(4, 5);
       cout << ppoly1->area() << '\n';</pre>
       cout << ppoly2->area() << '\n';</pre>
       cout << ppoly3->area() << '\n';</pre>
       getchar();
       return 0;
}
```