

Task 9

```
#include<iostream>

using namespace std;
class Rectangle{
    private:
        float length,width;

    public:
        void setlength(float alength){
            //cout<<"enter the length ";
            //cin>>length;
            length=alength;
        }
        void setwidth(float awidth){
            width=awidth;
        }
        float perimeter(){
            float p;
            p=2*length+2*width;
            cout<<"perimter= " << p;
```

```
}
float area(){
    float a;
    a=length*width;
    cout<<"area= "<<a;
}
void show(){
    cout<<"length= "<<length<<endl;
    cout<<"width= "<<width;
}
int samearea(Rectangle other){

    float areaf = length * width;
    float areas = other.length * other.width;
    if (areaf == areas)
        return 1;
    return 0;}

};

int main(){
    Rectangle R1;
    Rectangle R2;
    R1.setlength(5);
    R1.setwidth(2.5);
    R2.setlength(5);
    R2.setwidth(18.9);
    cout<<"Rectangle one "<<endl;
    R1.show();
    cout<<"Area= "<<R1.area()<<"perimeter = "<<R1.perimeter()<<endl<<endl;
    cout<<"Rectangle 2";
    R2.show();
    cout<<"Area= "<<R2.area()<<"perimeter = "<<R2.perimeter()<<endl<<endl;
    if (R1.samearea(R2))
        cout << "Rectangles have the same area\n";
    else
        cout << "Rectangles do not have the same area\n";
}
```

0 Lines: 65 Length: 1217 Insert Done parsing in 0.016 seconds

Output

```
fRectangle one
length= 5
width= 2.5perimter= 15area= 12.5Area= 0perimeter = 0

Rectangle 2length= 5
width= 18.9perimter= 47.8area= 94.5Area= 0perimeter = 0

Rectangles do not have the same area

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Process exited after 0.02217 seconds with return value 0
Press any key to continue . . .
```