```
#include<iostream>
using namespace std;
class binary
{
int x,y;
public:
binary()
{
  x=0;
  y=0;
}
binary(int x1,int y1)
{
x=x1;
y=y1;
}
binary operator+(binary obj1)
{
binary temp;
temp.x=x+obj1.x;
temp.y=y+obj1.y;
return temp;
}
void show_data()
{
cout<<x<<" "<<y<<"\n";
}
};
int main()
{
binary o1(1,2),o2(3,4),o3;
o3=o1+o2;
//o3=o1.operator+(o2);
o3.show_data();
}
```

```
#include<iostream>
using namespace std;
class binary
{
int x,y;
public:
binary()
{
  x=0;
  y=0;
}
binary(int x1,int y1)
{
```

```
x=x1;
y=y1;
}
friend binary operator+(binary,binary);
void show_data()
{
cout<<x<<" "<<y<<"\n";
}
};
binary operator+(binary o1,binary o2)
{
binary temp;
temp.x=o1.x+o2.x;
temp.y=o1.y+o2.y;
return temp;
}
int main()
{
binary o1(1,2),o2(3,4),o3;
o3=o1+o2;
//o3=operator+(o1,o2);
o3.show_data();
}
```

```
#include<iostream>
using namespace std;
class binary
{
int x,y;
public:
binary()
{
  x=0;
  y=0;
}
binary(int x1,int y1)
{
x=x1;
y=y1;
}
friend binary operator*(binary,binary);
void show_data()
{
cout<<x<<" "<<y<<"\n";
}
};
binary operator*(binary o1,binary o2)
{
binary temp;
```

```
temp.x=o1.x*o2.x;
temp.y=o1.y*o2.y;
return temp;
}
int main()
{
binary o1(1,2),o2(3,4),o3;
o3=o1*o2;
//o3=operator*(o1,o2);
o3.show_data();
}
#include<iostream>
using namespace std;
class binary
{
int x,y;
public:
binary()
{
  x=0;
  y=0;
}
binary(int x1,int y1)
{
x=x1;
y=y1;
}
binary operator*(binary obj1)
{
binary temp;
temp.x=x*obj1.x;
temp.y=y*obj1.y;
return temp;
}
void show_data()
{
cout<<x<<" "<<y<<"\n";
}
};
int main()
{
binary o1(1,2),o2(3,4),o3;
o3=o1*o2;
//o3=o1.operator*(o2);
o3.show_data();
}
#include<iostream>
using namespace std;
class binary
```

```
{
int x,y;
public:
binary()
{
  x=0;
  y=0;
}
binary(int x1,int y1)
{
x=x1;
y=y1;
}
binary operator*(binary obj1)
{
binary temp;
temp.x=x*obj1.x;
temp.y=y*obj1.y;
return temp;
}
binary operator+(binary obj1)
{
binary temp;
temp.x=x+obj1.x;
temp.y=y+obj1.y;
return temp;
}
binary operator-(binary obj1)
{
binary temp;
temp.x=x-obj1.x;
temp.y=y-obj1.y;
return temp;
}
void show_data()
{
cout<<x<<" "<<y<<"\n";
}
};
int main()
{
binary o1(3,4),o2(1,2),o3;
o3=((o1+o2)*(o1-o2));
o3.show_data();
}
```