

```

class C : public A
{
    public
    void sum()
    {
        cout << "\n sum = " << x + y;
    }
};

int main()
{
    B obj1;
    C obj2;
    obj1 = getdata();
    obj1 = Product();
    obj2 = getdata();
    obj2 = sum();
    return 0;
}

```

output:

Enter value of x and y:

2 3

Product = 6

Enter value of x and y:

4 3 2

SUM = 45

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Aim : write a Program to display the use of hierarchical inheritance in C++

Program :

```
#include <iostream>
using namespace std.
```

```
class A
```

```
{
```

```
public:
```

```
int x, y
```

```
void getdata ()
```

```
{
```

```
cout << "\nEnter value of x and y : \n";
```

```
cin >> x >> y;
```

```
}
```

```
};
```

```
class B : public A
```

```
{
```

```
public:
```

```
void Product ()
```

```
{
```

```
cout << "\nProduct = " << x * y;
```

```
};
```