DSA 0136 OBJECT ORIENTED PROGRAMMING USING C++

28)Write a c++program for calculate the area of the rectangle and the volume of the rectangle.Create a class area and derived class volume and use the same member function with same parameter for the above class.

using namespace std;

#include<iostream>

class area

{

public:

void getdata()

{

int a,l,b;

cout<<"\nenter length";

cin>>l;

cout<<"\nenter breadth";

cin>>b;

a=l\*b;

cout<<"\narea of rectangle="<<a;

}

};

class volume:public area

{

public:

void getdata()

{

int v,l,b,h;

cout<<"\nenter length";

cin>>l;

cout<<"\nenter breadth";

cin>>b;

cout<<"\nenter heigth";

cin>>h;

v=l\*b\*h;

cout<<"\nvolume of rectangle="<<v;

}

};

int main()

{

volume \*x;

area y;

x==&y;

x->getdata();

area \*s;

volume t;

s==&t;

s->getdata();

return 0;

}

Output:

