Create a base class called shape. Using this class to store two double type value that would nobe used to compute the wreach liquies. Derive two classes called towards and neclarge from ghape. Add to the base class, a member function get dutal) to initialize base class data members and another member function display-areal to compute and display the area of figures. Make display area () as a vintual to compute as a visitual function and ne-define this function in the desired classes to suit their requirements. Using there three classes design a program that will accept dimensions of atologyagle of a trectangle interactively, and display the area.

Program:

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11 Date of Creation: 4-Jan-22

Brogram Name: To Calculate and I given shape.

#include (For tream >

using numerpace std

clan shape

public! double vall, val 2, ar tri, ar nect.
void get date (double a double b)

vall=a;

val2 . bi,

az-red = vall * val2

au-tire 0.5 × vall * val2;

(102) virtual void display-area ()=0; class triangle: public shape public: void diplay wind contie" Area of Towarde: "Lanti; class nectardo: public thape public: void display areal) 4 contempres of Redargle: " Eccor reduction end main() double vall vall; conder " Enter two values: " Land; dn>>val1>)val2; Phape + bptri both = New nectangle; boton -> get-date (val), val 2), bptor -> display-area (); bptor = new torianglis bptn -> getdata (vall, valz);
bptn -> display area ();

