Assignment 7:

//Program:-

#include<iostream.h>

#include<conio.h>

#include<graphics.h>

class line

{

public:

void draw\_line(int x1,int y1,int x2,int y2)

{

line(x1,y1,x2,y2);

}

};

void main()

{

int x1,y1,x2,y2,x3,y3,b,h,l,w,ch;

class line ln;

int gd=DETECT,gm;

initgraph(&gd,&gm,"c:\\tc\\bgi");

do

{

cout<<"MENU";

cout<<"\n1.rectangle";

cout<<"\n2.Sqaure";

cout<<"\n3.Triangle";

cout<<"\n4.Exit";

cout<<"\nEnter ur choice";

cin>>ch;

switch(ch)

{

case 1:

cout<<"\nEnter the cordinates";

cin>>x1>>y1;

cout<<"\nEnter the lenth & height:";

cin>>l>>w;

x2=x1+w;

y2=y1+l;

ln.draw\_line(x1,y1,x2,y1);

ln.draw\_line(x1,y1,x1,y2);

ln.draw\_line(x1,y2,x2,y2);

ln.draw\_line(x2,y1,x2,y2);

break;

case 2:

cout<<"\nEnter the cordinates";

cin>>x1>>y1;

cout<<"\nEnter the lenth:";

cin>>l;

x2=x1+l;

y2=y1+l;

ln.draw\_line(x1,y1,x2,y1);

ln.draw\_line(x1,y1,x1,y2);

ln.draw\_line(x1,y2,x2,y2);

ln.draw\_line(x2,y1,x2,y2);

break;

case 3: cout<<"\nEnter the coordinates";

cin>>x1>>y1;

cout<<"\nEnter the base";

cin>>b;

cout<<"\nEnter the height";

cin>>h;

x2=x1+b;

y2=y1;

x3=x1;

y3=y1+h;

ln.draw\_line(x1,y1,x2,y2);

ln.draw\_line(x1,y1,x3,y3);

ln.draw\_line(x2,y2,x3,y3);

break;

case 4: cout<<"exit";

break;

}

}while(ch<=3);

getch();

}

//-------------OUTPUT----------------



