**/\* Program No. :**

**Aim : WAP that uses a class called point to model a point. Define two**

**points, and have the user input values to two of them. Then display the value, equal to the sum of the two points.**

**\*/**

#include<iostream.h>

#include<conio.h>

class point

{

int x;

int y;

public:

void setsize(int a,int b);

int getx();

int gety();

void display() const;

};

void point::setsize(int a,int b)

{

x=a;

y=b;

}

int point::getx()

{

return x;

}

int point::gety()

{

return y;

}

void point::display() const

{

cout<<"\n\n\t\tCo-ordinates of P1 + P2 are : ("<<x<<", "<<y<<")";

}

void main()

{

clrscr();

int x,y;

point p1,p2,p3;

cout<<"\n\n\t\tEnter the co-ordinates for Point P1, X : ";

cin>>x;

cout<<"\t\t\t\t\t\t Y : ";

cin>>y;

p1.setsize(x,y);

cout<<"\n\t\tEnter the co-ordinates for Point P2, X : ";

cin>>x;

cout<<"\t\t\t\t\t\t Y : ";

cin>>y;

p2.setsize(x,y);

p3.setsize((p1.getx()+p2.getx()),(p1.gety()+p2.gety()));

p3.display();

getch();

}

**/\***

**Name : Rohit Aggarwal**

**Roll No. : 7CS-097**

**\*/**