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1: //Kalli Bonin
2: //Question 2 - Drawing Flowers
3:
4: #include <cmath>
5: #include <fstream>
6:
7: using namespace std;
8:
9: #include "ccc_win.h"
10:
11: int ccc_win_main()
12: {
13:     int count = cwin.get_int("Enter the number of flower");
14:
15:     int radius = 1;
16:
17:     for (int i = 0; i < count; i++)
18:     {
19:         Point centre = cwin.get_mouse("Click on point");
20:
21:         cwin << Circle(centre, radius)
22:             << Circle(Point(centre.get_x(), centre.get_y()+radius), radius)
23:             << Circle(Point(centre.get_x()+radius, centre.get_y()), radius)
24:             << Circle(Point(centre.get_x(), centre.get_y()-radius), radius)
25:             << Circle(Point(centre.get_x()-radius, centre.get_y()), radius)
26:
27:             << Circle(Point(radius*sin(M_PI/4)+centre.get_x(),
28:                 radius*cos(M_PI/4)+centre.get_y()), radius)
29:             << Circle(Point(radius*sin(3*M_PI/4)+centre.get_x(),
30:                 radius*cos(3*M_PI/4)+centre.get_y()), radius)
31:             << Circle(Point(radius*sin(5*M_PI/4)+centre.get_x(),
32:                 radius*cos(5*M_PI/4)+centre.get_y()), radius)
33:             << Circle(Point(radius*sin(7*M_PI/4)+centre.get_x(),
34:                 radius*cos(7*M_PI/4)+centre.get_y()), radius)
35:
36:             << Line(centre, Point(centre.get_x(),centre.get_y()-6))
37:             << Line(Point(centre.get_x(),centre.get_y()-4), Point(centre.get_x()
38:             << Line(Point(centre.get_x(),centre.get_y()-5), Point(centre.get_x()
39:     }
40: }

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