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EXPERIMENT 12	
Title	FRACTAL GENERATIONS USING KOCH CURVE
Objective	To write a C program for fractal generations using Koach Curve.
Program	#include <stdio.h></stdio.h>
	#include <graphics.h></graphics.h>
	#include <stdlib.h></stdlib.h>
	#define SIN 0.86602540
	void koch(int x1,int y1,int x2, int y2, int m)
	{
	int xx, yy, x[5], y[5], lx, ly, offx=50, offy=300;
	x=(x2-x1)/3;
	ly=(y2-y1)/3;
	x[0]=x1;
	y[0]=y1; y[d]=y2:
	x[4]=x2; y[4]=y2;
	x[1]=x[0]+lx; y[1]=y[0]+ly;
	y[1]-y[0]+iy, x[3]=x[0]+2*lx;
	y[3]=y[0]+2*ly;
	y[3]-y[0]+2 y, xx=x[3]-x[1];
	yy=y[3]-y[1];
	x[2]=xx*(0.5) + yy*(SIN);
	y[2]=-xx*(SIN)+yy*(0.5);
	x[2]=x[2]+x[1];
	y[2]=y[2]+y[1];
	if(m>0)
	{
	koch(x[0],y[0],x[1],y[1],m-1); //draw part 1
	koch(x[1],y[1],x[2],y[2],m-1); //draw part 2
	koch(x[2],y[2],x[3],y[3],m-1); //draw part 3
	koch(x[3],y[3],x[4],y[4],m-1); //draw part 4
	}
	else
	\{
	line(offx+x[0],offy+y[0],offx+x[1],offy+y[1]);
	line(offx+x[1],offy+y[1],offx+x[2],offy+y[2]);
	line(offx+x[2],offy+y[2],offx+x[3],offy+y[3]);
	line(offx+x[3],offy+y[3],offx+x[4],offy+y[4]);
	}
] }
	void main()
	\{
	int n, gd,gm;
	int x1=0, x2=550, y1=0, y2=0;

