#include<iostream>

#include<conio.h>

#include<string.h>

using namespace std;

class fan

{

private:

int speed;

double radius;

string color;

public:

fan()

{}

fan(int s,double r,string c):speed(s),radius(r),color(c)

{}

void setspeed(int s)

{

speed=s;

}

int getspeed()

{

if(speed==1){cout<<"The fan speed is fast"<<endl;}

else if(speed==2){cout<<"The fan speed is medium"<<endl;}

else {cout<<"THe fan speed is slow"<<endl;}

return speed;

}

void setradius(double r)

{

radius=r;

}

double getradius()

{

cout<<"Your fan radius is "<<radius<<" cm";

return radius;

}

void setcolor(string c)

{

color=c;

}

string getcolor()

{

return color;

}

void showdata()

{

cout<<"the color of your fan is "<<color<<endl;

getradius();cout<<endl;

getspeed();

}

};

main()

{

int a, b;string c;

fan f,f1(3,5,"blue");

cout<<"Enter the color of your fan"<<endl;

cin>>c;

f.setcolor(c);

cout<<"Enter the radius of your fan"<<endl;

cin>>b;

f.setradius(b);

cout<<"Enter the speed of the fan "<<endl;

cout<<"1.FAST\n2.MEDIUM\n3.SLOW"<<endl;

cin>>a;

f.setspeed(a);

f.showdata();cout<<endl;

cout<<"The default value of your fan are"<<endl;

f1.showdata();

getch();

return 0;

}