#include <iostream>

#include <cmath>

#include <unistd.h>

using namespace std;

/\* run this program using the console pauser or add your own getch, system("pause") or input loop \*/

int main(int argc, char\*\* argv) {

int j;

double i,pii=3.1415926;

for(j=i;j<=1;j+=(pii/4)){

for(i=0;i<=sin(i)+10;i+=(pii/4)){

cout<<" ";

}//end of blank

cout<<"\*"<<"\n";

usleep(500);

}//end of star and next line

return 0;

}