

```
#include<stdio.h>
#include<conio.h>
#include<graphics.h>
#include<math.h>
void main()
{
int gdriver=DETECT,gmode,errorcode,tmp,i=1,rds;
float st_x,st_y,x1,x2,y1,y2,ep;
initgraph(&gdriver,&gmode,"C:\\TC\\BGI");
    printf("Enter Radius:");
scanf("%d",&rds);
while(rds>pow(2,i))
i++;
ep=1/pow(2,i);
x1=rds;y1=0;
st_x=rds;st_y=0;
do
{x2=x1+(y1*ep);
y2=y1-(x2*ep);
putpixel(x2+200,y2+200,10);
x1=x2;
y1=y2;
}while((y1-st_y)<ep || (st_x-x1)>ep);
    getch();
}
```