

11. Why do we need graphics functions? Write a program to draw a circle.

Solution:

Importance of graphics in C are enlisted below: i. C graphics can be used to draw different shapes, display text in different fonts, change colors and many more. ii. Graphics in C can be used in making graphics programs, animations and projects and games.

Program Part:

circle() :

This function is used to draw a circle with center (x,y) and third parameter specifies the radius of the circle.

Syntax: circle(xCenter,yCenter,radius);

```
//C program to draw a circle using graphics function.
#include<stdio.h>
#include<conio.h>
#include<graphics.h>
int main ()
{
    int gd=DETECT, gm;
    initgraph(&gd, &gm, (char*)"");
    // floodfill(80,80, RED);
    // setcolor(BLACK);
    circle(200,110,100);
    getch();
    closegraph();
    return 0;
}
```