

```

1  #include<graphics.h>
2  #include<conio.h>
3  #include<stdlib.h>
4  void main()
5  {
6      int poly[12]={350,450, 350,410, 430,400, 350,350, 300,430, 350,450 };
7      /* request auto detection */
8      int gdriver = DETECT, gmode, errorcode;
9      int midx, midy;
10
11     /* initialize graphics and local variables */
12     initgraph(&gdriver, &gmode, "c:\\tc\\bgi");
13
14     /* read result of initialization */
15     errorcode = graphresult();
16     if (errorcode != grOk) /* an error occurred */
17     {
18         printf("Graphics error: %s\n", grapherrormsg(errorcode));
19         printf("Press any key to halt:");
20         getch();
21         exit(1); /* terminate with an error code */
22     }
23     setbkcolor(15); //setbkcolor sets the current background color
24     setcolor(1); //setcolor sets the current drawing color
25     setfillstyle(1, GREEN); //setfillstyle sets the current fill pattern and fill color
26     putpixel(20,20,3); //CYAN=3 //putpixel plots a pixel at a specified point
27     outtextxy(20,25, "Cyan colour Point");
28     putpixel(250,20,MAGENTA);
29     outtextxy(250,25, "Magenta colour Point");
30     circle(100,100,50); //circle draws a circle in the current drawing color.
31     outtextxy(75,170, "Circle"); //outtextxy displays a string at the specified location
32     rectangle(200,50,350,150);
33     line(200,50,350,150);
34     outtextxy(240, 170, "Rectangle");
35     ellipse(500, 100,0, 360,100,50);
36     //fillellipse(500, 100, 100,50);
37     outtextxy(480, 170, "Ellipse");
38     line(100,250,540,250);
39     outtextxy(300,260,"Line");
40     setfillstyle(5,RED);
41     fillpoly(6,poly);
42     //drawpoly(6, poly);
43     outtextxy(340, 460, "Polygon");
44     setcolor(GREEN);
45     midx = getmaxx() / 2; //getmaxx returns the maximum x value
46     midy = getmaxy() / 2; //getmaxy returns the maximum y value
47
48     moveto(midx,midy); //moveto moves the current position to position (x, y)
49     outtext("WELCOME "); //outtext outputs textstring at the current position
50     outtext("STUDENTS...");
51     getch();
52     closegraph();
53 }

```