AIM: Write a program to draw different graphic entities (i.e Polygons)

PROGRAM

```c
#include<stdio.h>
#include<conio.h>
#include<graphics.h>

void main()
{
 int gd=DETECT,gm;
 int
rectangle[]={10,10,10,80,60,80,60,10,
10,10};
 int
triangle[]={115,10,90,80,140,80,115,1
0};
 int
pentagon[]={170,35,193,10,222,35,20
9,80,183,80,170,35};
 int
hexagon[]={23,110,48,110,60,135,48,
160,23,160,10,135,23,110};
 initgraph(&gd,&gm,"C:\\TURBOC3\\
BGI");
 drawpoly(5,rectangle);
 drawpoly(4,triangle);
 drawpoly(6,pentagon);
 drawpoly(7,hexagon);

 outtextxy(5,85," Rectangle");
 outtextxy(85,85,"Triangle");
 outtextxy(170,85,"Pentagon");
 outtextxy(10,165,"Hexagon");

 outtextxy(95,115,"Practical No: 8");
 outtextxy(95,130,"Omkar
Deshpande");
 outtextxy(95,145,"SE-CSE-1");
 outtextxy(95,160,"Roll No: 25");
 getch();
 closegraph();
}
```
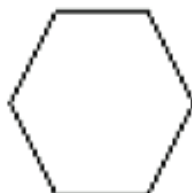
OUTPUT

Rectangle Triangle Pentagon

Hexagon

Practical No: 8
Omkar Deshpande
SE-CSE-1
Roll No: 25

AIM: Write a program to fill different graphic entities (i.e Polygons)

PROGRAM

```
#include<stdio.h>
#include<conio.h>
#include<graphics.h>
void main()
{
 int gd=DETECT,gm;
 int
rectangle[]={10,10,10,80,60,80,60,10,
10,10};
 int
triangle[]={115,10,90,80,140,80,115,1
0};
 int
pentagon[]={170,35,193,10,222,35,20
9,80,183,80,170,35};
 int
hexagon[]={23,110,48,110,60,135,48,
160,23,160,10,135,23,110};
initgraph(&gd,&gm,"C:\\TURBOC3\\
BGI");

 fillpoly(5,rectangle);
 fillpoly(4,triangle);
 fillpoly(6,pentagon);
 fillpoly(7,hexagon);

 outtextxy(5,85,"Rectangle");
 outtextxy(85,85,"Triangle");
 outtextxy(170,85,"Pentagon");
 outtextxy(10,165,"Hexagon");

 outtextxy(95,115,"Practical No: 8");
 outtextxy(95,130,"Omkar
Deshpande");
 outtextxy(95,145,"SE-CSE-1");
 outtextxy(95,160,"Roll No: 25");
 getch();
 closegraph();
}
```

OUTPUT

AIM: Write a program to draw different Graphic Entities such as:

- Arcs
- Circle
- Ellipse
- Also Fill the Ellipse

PROGRAM

```
#include<stdio.h>
#include<conio.h>
#include<graphics.h>

void main()
{
 int gd=DETECT, gm;

initgraph(&gd,&gm,"C:\\TURBO
C3\\BGI");

 circle(100,100,10);
 circle(100,100,40);
 arc(150,100,330,30,50);
 arc(150,100,330,30,70);
 arc(150,100,330,30,90);
 arc(150,100,330,30,110);
 ellipse(100,60,0,360,20,40);
 ellipse(100,140,0,360,20,40);
 ellipse(100,100,270,90,80,40);
 fillellipse(300,100,20,15);
 outtextxy(10,10,"Practical No: 9 :
Circle Graphics");
 outtextxy(100,200,"By Omkar
Deshpande");
 getch();
 closegraph();
}
```
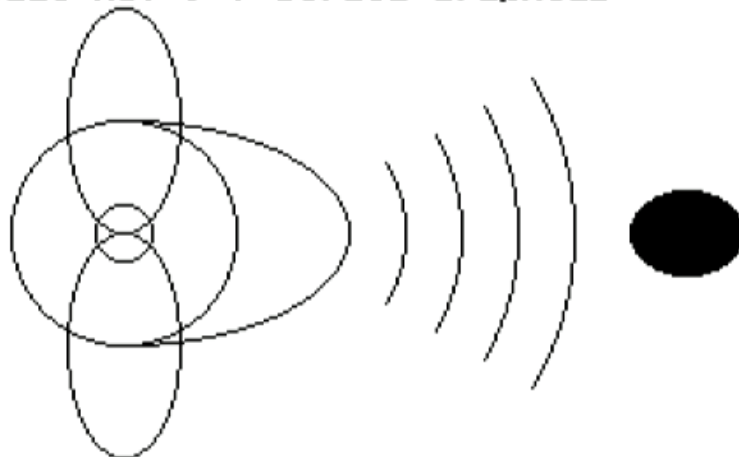
OUTPUT

Practical No: 9 : Circle Graphics

By Omkar Deshpande

AIM: Write a program to draw a graphic entity using setlinestyle function.

PROGRAM

```
#include<stdio.h>
#include<conio.h>
#include<graphics.h>

void main()
{
  int gd=DETECT,gm;
  initgraph(&gd,
&gm,"C:\\TURBOC3\\BGI");
  outtextxy(125,30,"Practical No:
10");

  setlinestyle(0,0,2);/*Solid Line*/
  line(100,50,300,50);

  setlinestyle(1,0,2);/*Dotted Line*/
  line(100,75,300,75);

  setlinestyle(2,0,2);/*Center Line*/
  line(100,100,300,100);

  setlinestyle(3,0,2);/*Dashed Line*/
  line(100,125,300,125);

  setlinestyle(4,2,1);/*Userbit Line*/
  line(100,150,300,150);

  outtextxy(100,170,"By Omkar
Deshpande");

  getch();
  closegraph();
  return 0;
}
```
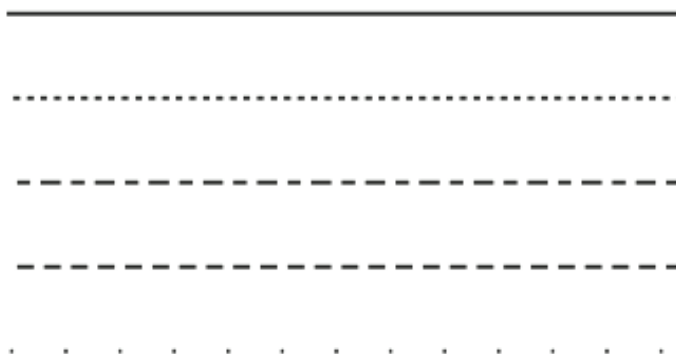
OUTPUT

Practical No: 10

By Omkar Deshpande

AIM: Write a program draw a graphic entity using setfillstyle function.
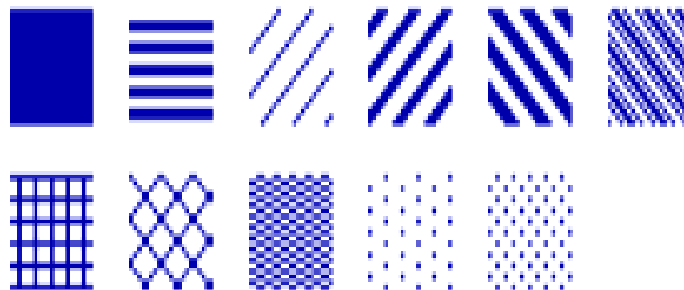
PROGRAM

```c
#include<stdio.h>
#include<graphics.h>
#include<conio.h>

void main()
{
  int gd = DETECT, gm;
  initgraph(&gd, &gm,
"C:\\TURBOC3\\BGI");
  setfillstyle(SOLID_FILL,YELLOW);
  bar(10,10,30,30);
  setfillstyle(LINE_FILL, YELLOW);
  bar(40,10,60,30);
  setfillstyle(LTSLASH_FILL,
YELLOW);
  bar(70,10,90,30);
setfillstyle(SLASH_FILL,YELLOW);
  bar(100,10,120,30);
setfillstyle(BKSLASH_FILL,YELLO
W);
  bar(130,10,150,30);
setfillstyle(LTBKSLASH_FILL,
YELLOW);
  bar(160,10,180,30);
setfillstyle(HATCH_FILL,YELLOW);
  bar(10,40,30,60);
setfillstyle(XHATCH_FILL,YELLOW
);
  bar(40,40,60,60);
  setfillstyle(INTERLEAVE_FILL,
YELLOW);
  bar(70,40,90,60);
setfillstyle(WIDE_DOT_FILL,YELL
OW);
  bar(100,40,120,60);
setfillstyle(CLOSE_DOT_FILL,YELL
OW);
  bar(130,40,150,60);
outtextxy(10,70,"Practical No: 10(b)");
  outtextxy(10,85,"By Omkar
Deshpande");

  getch();
  closegraph();
  return 0;
}
```

OUTPUT

Practical No: 10(b)

By Omkar Deshpande