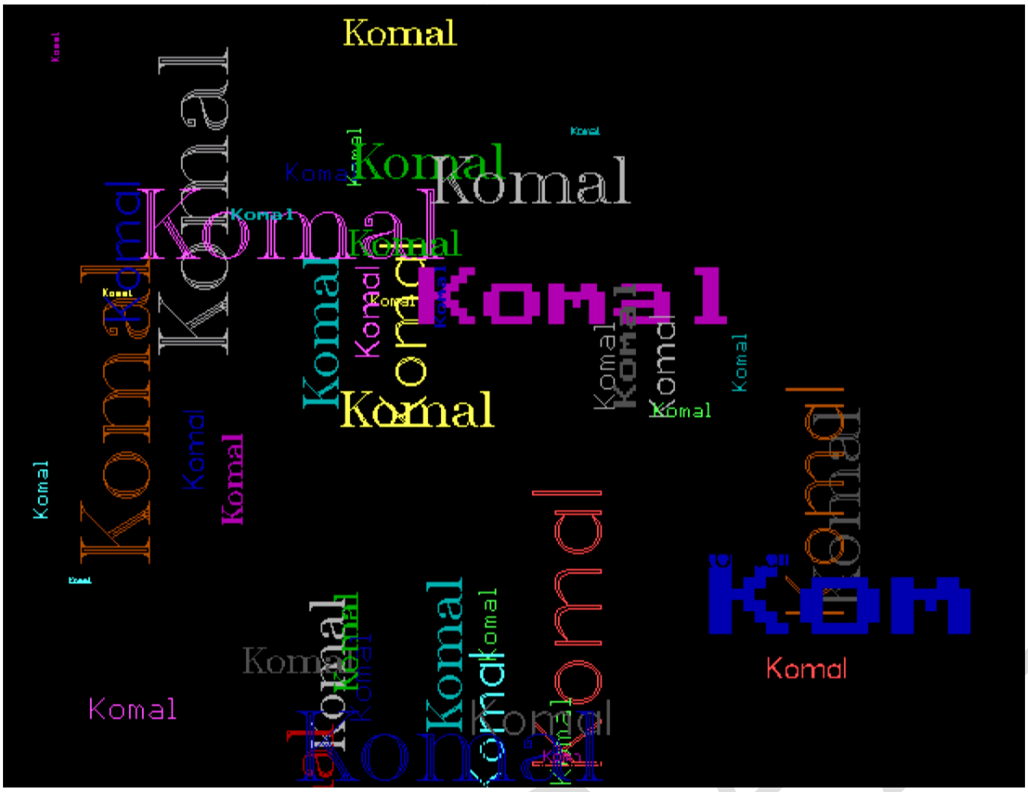
PRACTICAL 10

A)Develop a simple text screen saver using graphics functions.

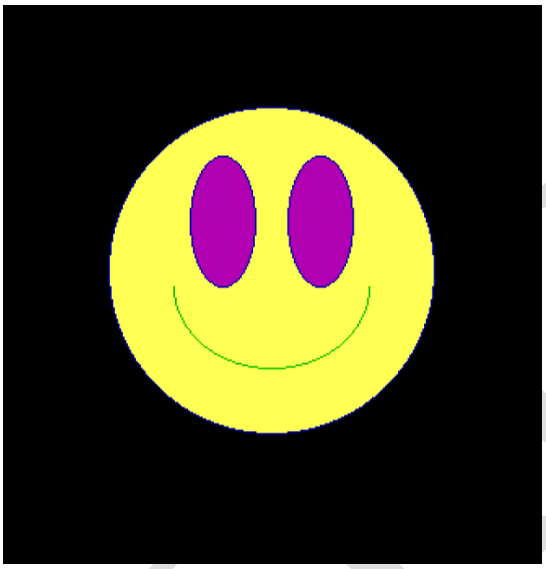
```
#include <stdio.h>
#include <stdlib.h>
#include <graphics.h>
#include <conio.h>
#include <dos.h>

void main()
{
int
gdriver=DETECT,gmode,col=480,row=640,font=4,direction=2,size=8,col
or=15;
initgraph(&gdriver,&gmode,"C:\\TurboC3\\BGI");
cleardevice();
while(!kbhit()){
   settextstyle(random(font),random(direction),random(size));
   setcolor(random(color));
   outtextxy(random(col),random(row),"Komal");
   delay(250);
}
closegraph();
}
```



B) Perform smiling face animation using graphic functions.

```
#include<stdio.h>
#include<conio.h>
#include<graphics.h>
#include<stdlib.h>
void main()
{
        int gd=DETECT,gm,x=250,y=250;
        initgraph(&gd,&gm,"C:\\TC\\BGI");
        cleardevice();
        while(!kbhit())
        {
                setfillstyle(SOLID_FILL,14);
                fillellipse(x,y,100,100);
                setfillstyle(SOLID_FILL,random(6));
```

```
            fillellipse(x-30,y-30,20,40);
            fillellipse(x+30,y-30,20,40);
            setcolor(random(3));
            ellipse(x,y+10,180,0,60,50);
            delay(500);
        }
        closegraph();
}
```



C)Draw the moving car on the screen.

```
#include<stdio.h>;
#include<graphics.h>;
#include<conio.h>;
#include<dos.h>;
int main()
{
int gd=DETECT,gm;
int i,maxx,midy;
```

```
initgraph(&gd,&gm,"C:\\TURBOC3\\BGI");

maxx=getmaxx();
midy=getmaxy()/2;
for(i=0;maxx-150;i=i+5)
{
cleardevice();
line(0,midy+37,maxx,midy+37);
setcolor(YELLOW);
setfillstyle(SOLID_FILL,RED);
line(i,midy+23,i,midy);
line(i,midy,40+i,midy-20);
line(40+i,midy-20,80+i,midy-20);
line(80+i,midy-20,100+i,midy);
line(100+i,midy,120+i,midy);
line(120+i,midy,120+i,midy+23);

line(0+i,midy+23,18+i,midy+23);
arc(30+i,midy+23,0,180,12);
line(42+i,midy+23,78+i,midy+23);
arc(90+i,midy+23,0,180,12);
line(102+i,midy+23,120+i,midy+23);
line(28+i,midy,43+i,midy-15);
line(43+i,midy-15,57+i,midy-15);
line(57+i,midy-15,57+i,midy);
line(57+i,midy,28+i,midy);
line(62+i,midy-15,77+i,midy-15);
line(77+i,midy-15,92+i,midy);
```

```
line(92+i,midy,62+i,midy);
line(62+i,midy,62+i,midy-15);
floodfill(5+i,midy+22,YELLOW);
setcolor(BLUE);
setfillstyle(SOLID_FILL,DARKGRAY);
circle(30+i,midy+25,9);
circle(90+i,midy+25,9);
floodfill(30+i,midy+25,BLUE);
floodfill(90+i,midy+25,BLUE);
/*Add delay of 0.1 milli seconds*/
delay(100);
if(i==485)
i=0;
else if(kbhit())
break;
}
getch();
closegraph();
return 0;
}
```