```
#include<stdio.h>  // HEADER FILE FOR STANDARD I/0
#include<graphics.h> // HEADER FILE FOR GRAPHICS MODE
#include<dos.h>    //  HEADER FILE FOR ENABLING SOUND
#include<conio.h>  // HEADER FILE FOR CONSOLE I/O
#include<stdlib.h> // HEADER FILE FOR LIBRARY FUNCTIONS
union REGS i,o;
int initmouse();       // FUNCTION TO INITIALIZE MOUSE POINTER
void showmouseptr();   // FUNCTION TO SHOW POINTER
void restrictmouseptr(int,int,int,int); // FUNCTION TO RESTRICT POINTER
void getmousepos(int *,int *,int *); // TO GET POINTER POSITION
void format();     // FUNCTION TO DRAW LAYOUT OF EVM
void graph();      // FUNCTION TO DISPLAY RESULT AS GRAPH
void welcome();    // FUNCTION TO DISPLAY WELCOME MESSAGE
void boundry();
int vote1=0,vote2=0,vote3=0,vote4=0;  // VARIABLES TO HOLD VOTES FOR CANDIDATES
int button,x,y;
void main()
{     int  gd=DETECT,gm;
      initgraph(&gd,&gm,"c:\\turboc3\\bgi");  // INITIALIZING GRAPHICS MODE
      randomize();
      boundry();
    welcome();              // CALLING WELCOME FUNCTION
    cleardevice();          // CLEARING THE SCREEN
    format();              // CALLING FORMAT FUNCTION
    showmouseptr();
    restrictmouseptr(0,0,675,435);    // RESTRICTING MOUSE POINTER WITHIN SCREEN
do
{
getmousepos(&button,&x,&y);
 if((button&1)==1&&x>475&&x<580&&y>250&&y<280)
{   break;}
else if((button&1)==1&&x>280&&x<380&&y>105&&y<125)
{  setcolor(YELLOW);circle(270,115,5);
   sound(1200);
   delay(500);
```

```
  nosound();
  setcolor(BLACK);circle(270,115,5);
  vote1++;  }
else if((button&1)==1&&x>280&&x<380&&y>155&&y<175)
{  setcolor(YELLOW);circle(270,165,5);
  sound(1200);
  delay(500);
  nosound();
  setcolor(BLACK);circle(270,165,5);
  vote2++;  }
else if((button&1)==1&&x>280&&x<380&&y>205&&y<225)
{  setcolor(YELLOW);circle(270,215,5);
  sound(1200);
  delay(500);
  nosound();
  setcolor(BLACK);circle(270,215,5);
  vote3++;  }
else if((button&1)==1&&x>280&&x<380&&y>255&&y<275)
{  setcolor(YELLOW);circle(270,265,5);
  sound(1200);
  delay(500);
  nosound();
  setcolor(BLACK);circle(270,265,5);
  vote4++;
 }

}          // END OF DO
while(1);
 cleardevice();
 initmouse();
 showmouseptr();
  boundry();
 graph();
 getch();
}              // END OF MAIN FUNCTION
```

```
void boundry()
{
  setcolor(1+random(14));
  rectangle(0,0,635,475);
  setcolor(1+random(14));
  rectangle(3,3,632,472);
}
void welcome()
{ randomize();
 settextstyle(8,0,4);
 setcolor(1+random(14));
 outtextxy(200,100,"WELCOME");
 delay(800);
 setcolor(1+random(14));
 outtextxy(250,160,"TO");
 delay(800);
 setcolor(1+random(14));
 outtextxy(50,220,"ELECTRONIC VOTING SYSTEM");
 delay(800);
 while(!kbhit())
 {  setcolor(1+random(14));
    outtextxy(50,400,"Press any key to continue.....");
    delay(500);
    setcolor(BLACK);
    outtextxy(50,400,"Press any key to continue.....");
    delay(500);
 }


}

void format()
{   setcolor(6);
   rectangle( 90,30,400,380);
   rectangle( 87,27,403,383);
```

```
settextstyle(0,0,5);
outtextxy(140,40,"E V M");
line(90,80,400,80);
settextstyle(8,0,2);
outtextxy(100,100,"Abhinav");
rectangle(95,100,250,130);
arc(290,115,90,270,10);
arc(370,115,270,90,10);
line(290,105,370,105);
line(290,125,370,125);

outtextxy(100,150,"Pranshul");
rectangle(95,150,250,180);
arc(290,165,90,270,10);
arc(370,165,270,90,10);
line(290,155,370,155);
line(290,175,370,175);

outtextxy(100,200,"Rahul");
rectangle(95,200,250,230);
arc(290,215,90,270,10);
arc(370,215,270,90,10);
line(290,205,370,205);
line(290,225,370,225);
outtextxy(100,250,"Ratnesh");
rectangle(95,250,250,280);
arc(290,265,90,270,10);
arc(370,265,270,90,10);
line(290,255,370,255);
line(290,275,370,275);



rectangle(475,250,580,280);
outtextxy(480,250,"RESULTS");
```

```
}
void showmouseptr()
{
i.x.ax=1;
int86(0x33,&i,&o);
}
void restrictmouseptr(int x1, int y1, int x2, int y2)
{    i.x.ax=7;
     i.x.cx=x1;
     i.x.dx=x2;
     int86(0x33,&i,&o);
     i.x.ax=8;
     i.x.cx=y1;
     i.x.dx=y2;
     int86(0x33,&i,&o);
}
void getmousepos(int *button, int *x, int *y)
{   i.x.ax=3;
    int86(0x33,&i,&o);
    *button=o.x.bx;
    *x=o.x.cx;
    *y=o.x.dx;
}
void graph()
{   outtextxy(200,100,"RESULTS(in % votes)");
    int candidate1=((vote1*100)/(vote1+vote2+vote3+vote4));
    int candidate2=((vote2*100)/(vote1+vote2+vote3+vote4));
    int candidate3=((vote3*100)/(vote1+vote2+vote3+vote4));
    int candidate4=((vote4*100)/(vote1+vote2+vote3+vote4));
    setcolor(2);
    rectangle(100,300,130,300-candidate1);outtextxy(100,300,"Abhinav");
    rectangle(200,300,230,300-candidate2);outtextxy(200,300,"Pranshul");
    rectangle(300,300,330,300-candidate3);outtextxy(300,300,"Rahul");
    rectangle(400,300,430,300-candidate4);outtextxy(400,300,"Ratnesh");
```

```
   setcolor(1+random(14));
   rectangle(545,400,600,430);
   outtextxy(550,400,"EXIT");

   do
{
getmousepos(&button,&x,&y);
 if((button&1)==1&&x>545&&x<600&&y>400&&y<430)
{   break;}
}            // END OF DO
while(1);



}
initmouse()
{
i.x.ax=0;
int86(0x33,&i,&o);
return(o.x.ax);
}
```