#include<stdio.h>

#include<conio.h>

#include<graphics.h>

#include<dos.h>

body();

temp(int);

int main()

{

int gd=DETECT,gm,choice, cel=0, fa=0;

initgraph(&gd,&gm,"C://TC//BGI");

printf("Select the system:\n 1. Celcius\n 2. Farenheit\n");

scanf("%d",&choice);

switch(choice)

{

case 1:

printf("Enter the temperature\n");

scanf("%d",&cel);

fa= (cel\*9/5)+32;

printf("%d C= %d F",cel,fa);

body();

temp(cel);

break;

case 2:

printf("Enter the temperature\n");

scanf("%d",&fa);

cel= (fa-32)\*5/9;

body();

printf("%d F = %d C",fa,cel);

temp(cel);

break;

default:

printf("ERROR!");

}

getch();

clrscr();

cleardevice();

return 0;

}

temp(c) //rise in mercury

{

int i,x1=300,y1=350,y2=y1,x2=290,X1=295,X2=295,Y1=370,Y2=370;

float limit;

limit=(c+40)\*2.8;

setcolor(RED);

for(i=1;i<=10;i++)

{

delay(50);

line(X1,Y1,X2,Y2);

X1=X1-1;

X2=X2+1;

Y1=Y1-1;

Y2=Y1;

}

for(i=1;i<=10;i++)

{

delay(50);

line(X1,Y1,X2,Y2);

X1++;

X2--;

Y1--;

Y2--;

}

delay(100);

for(i=1;i<=limit;i++)

{

delay(25);

line(x1,y1,x2,y2);

y1--;

y2=y1;

if(i>=266)

{

break;

}

}

if(c>50);

{

for(i=1;i<=5;i++)

{

delay(50);

line(x1,y1,x2,y2);

x1--;

x2++;

y1--;

y2--;

}

}

return 0;

}

body()

{

arc(295,80,0,180,60);

line(235,80,235,350);

arc(295,350,180,360,60);

line(355,80,355,350);

circle(295,360,10);

line(300,85,300,350);

line(290,85,290,350);

arc(295,85,0,180,5);

outtextxy(323,90,"50\_\_"); /\*celsius caliberation\*/

outtextxy(348,100,"\_");

outtextxy(348,108,"\_");

outtextxy(323,118,"40\_\_");

outtextxy(348,128,"\_");

outtextxy(348,136,"\_");

outtextxy(323,146,"30\_\_");

outtextxy(348,156,"\_");

outtextxy(348,164,"\_");

outtextxy(323,174,"20\_\_");

outtextxy(348,184,"\_");

outtextxy(348,192,"\_");

outtextxy(323,202,"10\_\_");

outtextxy(348,212,"\_");

outtextxy(348,220,"\_");

outtextxy(332,230,"0\_\_");

outtextxy(348,240,"\_");

outtextxy(348,248,"\_");

outtextxy(316,258,"-10\_\_");

outtextxy(348,268,"\_");

outtextxy(348,276,"\_");

outtextxy(316,286,"-20\_\_");

outtextxy(348,296,"\_");

outtextxy(348,304,"\_");

outtextxy(316,314,"-30\_\_");

outtextxy(348,324,"\_");

outtextxy(348,332,"\_");

outtextxy(316,342,"-40\_\_");

outtextxy(235,94,"\_\_ 120"); /\*fahrenheit caliberation\*/

outtextxy(235,105,"\_");

outtextxy(235,116,"\_");

outtextxy(235,128,"\_\_ 100");

outtextxy(235,137,"\_");

outtextxy(235,146,"\_");

outtextxy(235,156,"\_\_ 80");

outtextxy(235,165,"\_");

outtextxy(235,174,"\_");

outtextxy(235,184,"\_\_ 60");

outtextxy(235,194,"\_");

outtextxy(235,205,"\_");

outtextxy(235,216,"\_\_ 40");

outtextxy(235,225,"\_");

outtextxy(235,234,"\_");

outtextxy(235,244,"\_\_ 20");

outtextxy(235,254,"\_");

outtextxy(235,264,"\_");

outtextxy(235,276,"\_\_ 0");

outtextxy(235,285,"\_");

outtextxy(235,294,"\_");

outtextxy(235,304,"\_\_ -20");

outtextxy(235,316,"\_");

outtextxy(235,328,"\_");

outtextxy(235,342,"\_\_ -40");

outtextxy(270,60,"F");

outtextxy(320,60,"C");

return 0;

}