3rd year cse lab programs

As per the anna university regulations - 2004, cs 1356 compilers lab and cs 1355 graphics and multimedia lab programs will be available here... u can also request for prog to this mail id cse.achievers@gmail.com...will be published soon...

Contributors

kannan - admin

cselab

Blog Archive

FRIDAY, JANUARY 29, 2010

projection of 3d image

Download this file : 3dproj.c

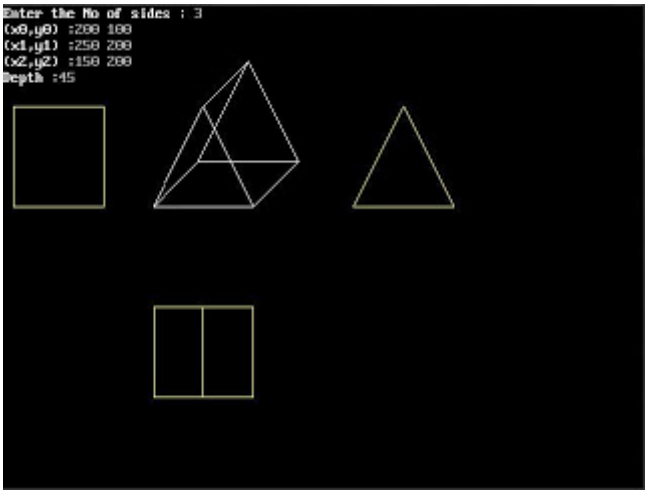
program:

```
#include "stdio.h"
#include "stdlib.h"
#include"graphics.h"
#include"conio.h"
void draw3d(int s,int x[20],int y[20],int d);
void main()
{
      int gd=DETECT,gm;
      int x[20],y[20],i,s,d;
      initgraph(&gd,&gm,"");
      printf("Enter the No of sides : ");
      scanf("%d",&s);
      for(i=0;i< s;i++)>
      {
            printf("(x%d,y%d) :",i,i);
            scanf("%d%d",&x[i],&y[i]);
      }
      printf("Depth :");
      scanf("%d",&d);
      draw3d(s,x,y,d);
      getch();
      setcolor(14);
      for(i=0;i< s-1;i++)
      {
            line(x[i]+200,y[i],x[i+1]+200,y[i+1]);
      }
      line(x[i]+200,y[i],x[0]+200,y[0]);
      getch();//top view
      for(i=0;i< s-1;i++)
      {
            line(x[i],300,x[i+1],300);
            line(x[i],300+d*2,x[i+1],300+d*2);
            line(x[i],300,x[i],300+d*2);
            line(x[i+1],300,x[i+1],300+d*2);
      }
      getch();//side view
      for(i=0;i< s-1;i++)
      {
            line(10,y[i],10,y[i+1]);
            line(10+d*2,y[i],10+d*2,y[i+1]);
            line(10,y[i],10+d*2,y[i]);
            line(10,y[i+1],10+d*2,y[i+1]);
      }
      getch();
      closegraph();
}
void draw3d(int s,int x[20],int y[20],int d)
{
      int i,j,k=0;
      for(j=0;j< 2;j++)
```

```
    {
        for(i=0;i< s-1;i++)>
            line(x[i]+k,y[i]-k,x[i+1]+k,y[i+1]-k);
        line(x[i]+k,y[i]-k,x[0]+k,y[0]-k);
        k=d;
    }
    for(i=0;i< s;i++)
        line(x[i],y[i],x[i]+d,y[i]-d);
}
```

Download this file : 3dproj.c

Output:



Posted by kannan - admin at 6:51 PM
Labels: projection of 3d image , projection of 3d image in c

Newer Post Home Older Post

Subscribe to: Post Comments (Atom)