

# 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

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FRIDAY, JANUARY 29, 2010

## projection of 3d image

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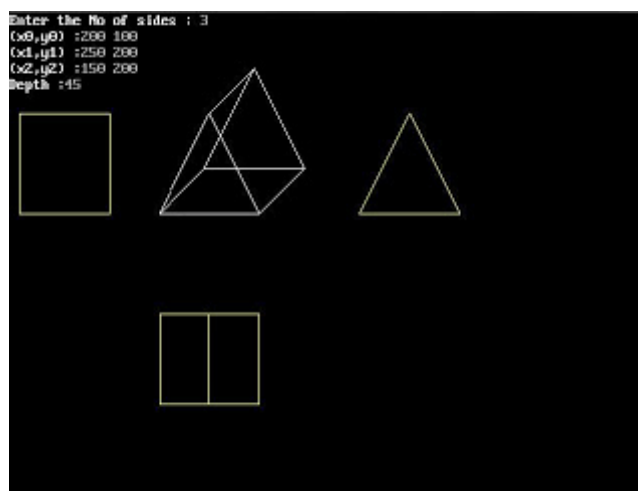
program:

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

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Output:



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Posted by kannan - admin at 6:51 PM

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