**Aaditya Sharma (199302117) IT-6B**Complier Design Lab 1

Write a program which will take as input a C program consisting of a single & multi line comments and multiple blanks, spaces and produces as output the C program without comments and single blank space.

Mainfile.c

#include <stdio.h>

#include <stdlib.h>

int main()

{

FILE \*p1,\*p2;

int flag=0;

char ch;

p1=fopen("f1.c","r");

p2=fopen("f2.c","w");

if(p1==NULL)

{

printf("Error");

return 0;

}

if(p2==NULL)

{

printf("Error");

return 0;

}

while((ch=fgetc(p1))!=EOF)

{

if((ch=='/')&&(flag==0))

{

flag=1;

continue;

}

else if((ch=='/')&&(flag==1))

{

flag=2;

continue;

}

else if((ch=='\*')&&(flag==1))

{

flag=3;

continue;

}

if(flag==2)

{

if(ch=='n' || ch=='t')

{

flag=0;

}

continue;

}

if(flag==3)

{

if(ch=='\*')

{

flag=4;

}

continue;

}

if(flag==4)

{

if(ch=='/')

{

flag=0;

}

continue;

}

if(flag==0)

{

if((ch==13)||(ch==10))

{

continue;

}

else if((ch!=' '))

{

fputc(ch,p2);

}

}

}

fclose(p1);

fclose(p2);

p1=fopen("f2.c","r");

while((ch=fgetc(p1))!=EOF)

{

printf("%c",ch);

}

fclose(p1);

printf("\n\n\n");

return 0;

}

f1.c

#include<stdio.h>

int main(){

int s1, s2, s3;

printf("Enter sides of triangle:");

scanf("%d%d%d",&s1,&s2,&s3);

if(s1 == s2 && s2 == s3)

printf("Triangle is equilateral\n");

else if(s1 == s2 || s2 == s3 || s3 == s1)

printf("Triangle is isosceles\n");

else

printf("Triangle is scalene\n");

return 0;

}

OUTPUT

