

Lab Task-3

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Remove Extra White Space, Line Comment and Block Comments from the given source code.

Code:

```
#include<string.h>

#include<stdio.h>

#include<stdlib.h>


void linecomment();

void blockComment();


void space();

FILE *f1,*f2;


int main()
{
    char c,d,e;

    f1=fopen("block_comment.txt","r");
    f2=fopen("rwrite.txt","w");


    while((c=fgetc(f1))!=EOF)
    {

        if(c==' ')
```

```
{  
  
    while((d=fgetc(f1))==' '  
    {  
  
    }  
    fputc(c,f2);  
    fputc(d,f2);  
  
}
```

// Line & block comment start

```
else if(c=='/')  
{  
    d=fgetc(f1);  
    if(d=='/')  
    {  
        linecomment();  
    }  
    else if(d=='*')  
    {  
        blockComment();  
    }  
    else  
    {  
        fputc(c,f2);  
        fputc(d,f2);  
    }  
}
```

```
}
```

```
//Line and block comment end
```

```
else
```

```
{
```

```
    fputc(c,f2);
```

```
}
```

```
}
```

```
fclose(f1);
```

```
fclose(f2);
```

```
return 0;
```

```
}
```

```
void linecomment(){
```

```
char e;
```

```
while((e=fgetc(f1))!=EOF){
```

```
    if(e=='\n'){
```

```
        return;
```

```
    }
```

```
}
```

```
}
```

```
void blockComment(){
```

```

char e,f;
while((e=fgetc(f1))!=EOF){
    if(e=='*'){
        f=fgetc(f1);
        if(f=='/'){
            {
                return;
            }
        }
    }
}
}
}
}

```

Output:

block_comment - Notepad

```

// This is line comment 1

#include<stdio.h>
/* This is a block comment */
int main(){

int a=          6;
/* This is
another block Comment */
int res=          a/2;
printf("%d",res);
/*
Three
*/

//This is a line Comment

return 0;
}

```

Ln 1, Cc 100% Windows (CRLF) UTF-8

rwrite - Notepad...

```

#include<stdio.h>

int main(){

int a= 6;

int res= a/2;
printf("%d",res);

return 0;
}

```

1 Windows (CRLF) UTF-8