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Exp No:04

Exp Name: Remove Line comment from a given source file.

Code:

```c
#include<string.h>

#include<stdio.h>

#include<stdlib.h>


void checkComment(char);

void linecomment();


FILE *f1, *f2;


int main()

{

    char c;


    f1=fopen("inputline.txt","r");

    f2=fopen("rwrite.txt","w");
```

```c
        // Loop Run End of file

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

      {

          checkComment(c);


      }


    fclose(f1);

    fclose(f2);


    printf("\n");


    return 0;

}



void checkComment(char c){


char d;

if(c=='/'){

d=fgetc(f1);


if(d=='/'){
```

```c
            linecomment();
    }else{

        fputc(c,f2);

        fputc(d,f2);

        }

    }else{

        fputc(c,f2);

        }

    }

void linecomment(){

    char e;
    while((e=fgetc(f1))!=EOF){
        if(e=='\n'){
            return;
        }
```
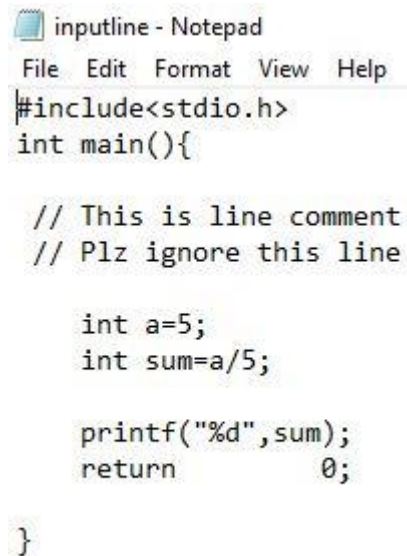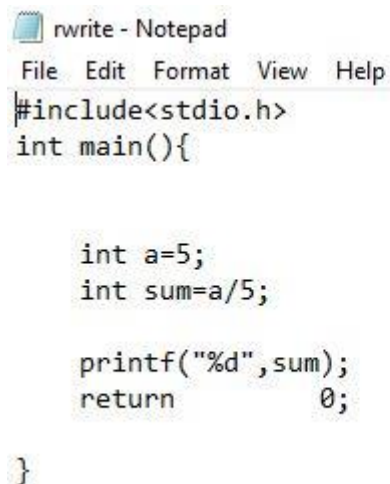
```
}

}
```

Input File : Where added Line comment

```
inputline - Notepad
File  Edit  Format  View  Help
#include<stdio.h>
int main(){

 // This is line comment
 // Plz ignore this line

    int a=5;
    int sum=a/5;

    printf("%d",sum);
    return          0;

}
```

Output: Remove Line Comment

```
rwrite - Notepad
File  Edit  Format  View  Help
#include<stdio.h>
int main(){


    int a=5;
    int sum=a/5;

    printf("%d",sum);
    return          0;

}
```

Discussion:

Take an input file inputline.txt to put
include line comment code .
Taken a while loop for travers to end of file.

Called check comment function for check character by character.

if get single / write it to the output file.
if get / two times that mean line comment then called line comment function.
Line comment function checking character until \n .