



Ahsanullah University of Science and Technology (AUST)
Department of Computer Science and Engineering

Assignment 1

Course No.: CSE4130

Course Title: Formal Languages & Compilers Lab

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Group: B1

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Department- CSE

Answer:

```
#include <stdio.h>

int main(void)
{
    FILE *p1,*p2;
    char c, c2 = ' ';

    p1 = fopen("removeLine.c","r");
    p2 = fopen("remove.txt", "w");

    //If file is not created then show this message
    if(!p1)printf("\nFile not found");

    /*if File is created then
    remove the spaces, empty line & comments*/

    else
    {
        while((c = fgetc(p1))!= EOF)
        {
            if((c=='\n') || (c==' ')){
                continue;
            }
            else if((c=='/') && ((c2 = fgetc(p1))== '/')){
                while( ((c=fgetc(p1))!='\n'));
            }
            else if((c=='/') && (c2=='*')){
                c2 = c; c = fgetc(p1);
            }
        }
    }
}
```

```
        while((c!='/') && (c2 != '*')) {c2 = c; c = fgetc(p1); }  
    }  
    else{  
        fputc(c, p2);  
    }  
    c2 = c;  
}  
}  
fclose(p1);  
fclose(p2);  
  
p2 = fopen("remove.txt", "r");  
while((c = fgetc(p2))!= EOF)  
{  
    printf("%c", c);  
}  
fclose(p2);  
return 0;  
}
```