Solve:

Assm 1

```
#include<stdio.h>
char c;
char space = ' ';
FILE *p1,*p2;
void CommentRemove()
  c=fgetc(p1);
  if(c=='/')
  {
    while(c=fgetc(p1))
      if(c=='\n')break;
    }
  else if(c=='*')
  {
    while(c=fgetc(p1))
      if(c=='/')break;
    }
  }
}
```

```
int main()
  p1 = fopen("input.c","r");
  p2 = fopen("output.txt","w");
  if(!p1)printf("File cannot be opened!\n");
  else
    while((c=fgetc(p1))!=EOF)
      if(c=='/')CommentRemove();
      else if(c==' '| | c=='\n'| | c=='\t')
         while(c=fgetc(p1))
           if(c!=' \&c!='\n'\&\&c!='\t')
             if(c=='/')CommentRemove();
              else
             {
                fputc(space,p2);
                fputc(c,p2);
             }
             break;
           }
         }
      else fputc(c,p2);
    }
  }
  fclose(p1);
  fclose(p2);
  p1 = fopen("input.c","r");
  p2 = fopen("output.txt","r");
  printf("\n\----- Input File ----- \n\n");
  while((c=fgetc(p1))!=EOF)printf("%c",c);
  printf("\n\n----- Output File -----\n\n");
  while((c=fgetc(p2))!=EOF)printf("%c",c);
  printf("\n");
}
```

```
Input:
#include/*hello*/<stdio.h>
int main()
{
  //hey
  printf ("hello world\n");
  /*sadness*/
  /*happy*/
}
/*
sadness
*/
//
//
Output:
#include<stdio.h> int main() { printf ("hello world\n"); }
```