Exp2 code-

#include<stdio.h>

#include<conio.h>

#include<ctype.h>

#include<string.h>

int main() {

FILE \*fi, \*fo, \*fop, \*fk;

int flag=0, i=1;

char c, t, a[15], ch[15], file[20];

//clrscr();

printf("\nEnter the File Name: ");

scanf("%s", file);

fi=fopen(file,"r");

fo=fopen("inter.c","w");

fop=fopen("oper.c","r");

fk=fopen("key.c","r");

c=getc(fi);

while(!feof(fi)) {

if(isalpha(c) || isdigit(c) || (c=='[' || c==']' || c=='.'))

fputc(c, fo);

else {

if(c=='\n')

fprintf(fo,"\t$\t");

else

fprintf(fo, "\t%c\t",c);

}

c=getc(fi);

}

fclose(fi);

fclose(fo);

fi=fopen("inter.c","r");

printf("\nLexical Analysis");

fscanf(fi,"%s",a);

printf("\nLine: %d\n",i++);

while(!feof(fi)) {

if(strcmp(a,"$")==0) {

printf("\nLine: %d \n",i++);

fscanf(fi, "%s",a);

}

fscanf(fop,"%s",ch);

while(!feof(fop)) {

if(strcmp(ch,a)==0) {

fscanf(fop, "%s",ch);

printf("\t\t%s\t:\t%s\n",a,ch);

flag=1;

}

fscanf(fop,"%s",ch);

}

rewind(fop);

fscanf(fk,"%s",ch);

while(!feof(fk)) {

if(strcmp(ch,a)==0) {

fscanf(fk,"%s",ch);

printf("\t\t%s\t:\tKeyword\n",a);

flag=1;

}

fscanf(fk,"%s",ch);

}

rewind(fk);

if(flag==0) {

if(isdigit(a[0]))

printf("\t\t%s\t:\tConstant\n",a);

else

printf("\t\t%s\t:\tIdentifier\n",a);

}

flag=0;

fscanf(fi,"%s",a);

}

getch();

return 0;

}

Input.c

#include "stdio.h"

#include "conio.h"

void main()

{

int a=10,b,c;

a=b\*c;

getch();

}

Key.c

int

void

main

char

if

for

while

else

printf

scanf

FILE

include

stdio.h

conio.h

iostream.h

oper.c

( open para

) closepara

{ openbrace

} closebrace

< lesser

> greater

" doublequote ' singlequote

: colon

; semicolon

# preprocessor

= equal

== asign

% percentage

^ bitwise

& reference

\* star

+ add

- sub

\ backslash

/ slash