```
1 #include «stdid.h»
   #include cctype.ha
   #include <string.n>
3
5 = int main()[
        char id[50]; int i,ok=1;
6
7
        scanf("%s",id);
8
        if(!isalpha(id[0]) && id[0]!='_') ok=0;
9
        for(i=1;id[i];i++) if(!isalnum(id[i]) && id[i]!='_') ok=0;
10
         printf(ok?"Valid Identifier\n": "Invalid Identifier\n");
11 L
```

```
Compiletion results...

Errors: 0

Warnings: 0

Output Filename: 0:\Users\sreel\OneDrive\Desktop\UntitledT.exe

Output Size: 128.9453125 KiB

Oumpilation Time: 0.20s

abc_123

Valid Identifier

Process exited after 14.5 seconds with return value 0

Press any key to continue . . .
```

```
Compile Log Debug  Chind Results  Close

Compilation results...

- Errors: 5

- Warnings: -

- Cutput Filename: Ti Users sreel One Drive Desktop Untitleds.exe

- Cutput Size: 15.135.5625 KiB

- Compilation Time: 5.168
```

```
a+b-c*5/2;
Operator: +
Operator: -
Operator: *
Operator: /
```

```
1
       #include (state f)
       #include (ctype %)
      #include istning to
       #define &
6 int main() 7 char c,s 8 while()c
             char c,s[i],n[i0],op[]="+-*/%=c>!"; int i,
while((c-getchar())'-EOF)|
9 T
                   if(isspace(c)) continue;
                   if(c-- ') (
                        if((c-getchan())=='/') while((c-getchan())!=''n'&&c!=EOF),
else if(c=='*') while((c-getchan())!=EOF) if(c=='*'&&(c-getchan())!==''') break,
11
12
13
                        else (ungetc(c.stdin); print+("Op: /\n").]
14
                        continue;
15
                  if(isalpha(c)||c=='_'){
    for(i=0.i<L 18&(isalnum(c)||c=='_'),c=getchar()) s[i--]=c.
    s[i]=''\0', printf("Id: %s\n",s), ungetc(c,stdin).</pre>
16
17
18
19
                   else if(isdigit(c))(
20
                        \quad \quad \text{for} (\text{i+e.isdigit}(c); \text{c-getchar}()) \ \text{n[i++]+c.}
21
                        n[i]=".0", printf("Const: %s\n",n), ungetc(c,stdin),
22
23
                  else if (strchr(op,c)) printf("Op: %c\n",c);
25
26 - 1
```

```
Compile Log 🖉 Debug 🗓 Find Results 🐉 Close
ompilation results...
Errirs:
Warnings: -
Output Filename: Or Osers' sreel Oneirive Desktip Untitledi.exe
Subjut Size: 19 ... 199513.15 KiB
 Impilation Time: 1.339
```

```
int a = 10;
   int
Const:
             3
```

```
1
   #include staicit
 2
    #include rathing h
4 = int main()(
 5
        char line[100].
6
         while(fgets(line, 100, stdin))(
             if(strncmp(line, "//", 1) *+0) printf("Single-line comment\n"),
7
             else if(strncmp(line,"/*",J)==0 %% strstr(line,"*/")) print*|"Multi-line comment\n"";
8
             else printf("Not a comment\n");
9
10
11
         return 8;
12
13
```

```
CompileLog Debug ...

Compilation results...

Errors: 8

Warnings: 8

Output Filename: D: (Users Sreel CheDrive Desktop) Untitled 3.exe

Output Size: L28.27/85/78.25 KiB

Compilation Time: 0.168
```

```
int a = 5;
Not a comment
a = a+1;
Not a comment
```

```
#include <string.h>

struct sym{char n[20],t[10];} tab[50]; int c=0;

void ins(char 'n,char 't)( strcpy(tab[c].n,n); strcpy(tab[c++].t,t); )

int sea(char 'n)[ for(int i=0;icc;i++) if(!strcmp(tab[i].n,n)) return i; return 'l; ]

void disp()( for(int i=0;icc;i++) printf("%s\t%s\n",tab[i].n,tab[i].t); )

int main(){
    int ch; char n[20],t[10];
    while(1){
        scanf("%d",&ch);
        if(ch=1)( scanf("%s %s",n,t); ins(n,t); ]
        else if(ch=2)( scanf("%s",n); int i=sea(n); printf(i!=-12"Found\n":"Not Found\n"); }

else if(ch=3) disp();

else break;
}
```

```
CompileLog Debug G. Find Results Close

Compilation results...

- Errors: 3

- Warnings: 3

- Output Filename: 0:\Users\sreel\OneDrive\Desktop\Untitledib.exe

- Output Size: 133.0419921075 KiB

- Compilation Time: 3.17s
```

```
#include (stdio.h>
     #include *string.h>
4 - int check(char 's){
         int i=0,j=strlen(s)-1;
         while(i<j) if(s[i++]!='a'||s[j--]!='b') return 0;
7
         return (i););
8 L
9
10 - int main(){
         char s[50];
scanf("%s",s);
11
12
         printf(check(s)?"Valid\n":"Invalid\n");
13
14 L
```

```
CompileLog  Debug  C. Find Results  Close

Compilation results...

-----
- Errors: 0
- Warnings: 0
- Output Filename: 0:\Users\sreel\OneDrive\Desktop\Untitledil.exe
- Output Size: 128.6298828125 KiB
- Compilation Time: 0.168
```

```
#include vstdic.hv
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#include vstdic.hv

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#include vstdic.hv

#include vstdic.hv

#include vstdic.hv

#include vstdic.hv

#include vstdic.hv

#in
```

```
CompileLog  Debug  C Find Results  Close

Compilation results...

- Errors: 0

- Warnings: 0

- Output Filename: 0:\Users\sreel\OneDrive\Desktop\Untitledi3.exe

- Output Size: 151.8173828128 KiB

- Compilation Time: 0.168
```

```
Enter expression: 2+3*4
Result=14

Process exited after 14.76 seconds with return value 0
Press any key to continue . . .
```

```
#include <stdic.h>
     #include < string.h>
 2
     char str[50]; int i=0;
 3
 4
 5
     void E(); void E_(); void T(); void T_(); void F();
 6
     void E(){ T(); E_(); }
     void E_(){ if(str[i]=='+'){ i++; T(); E_(); } }
 8
 9
     void T(){ F(); T_(); }
     void T_(){ if(str[i]=='*'){ i++; F(); T_(); } }
10
11 - void F(){
12
         if(str[i]=='('){ i++; E(); if(str[i]==')') i++; else {printf("Error\n"); return;} }
13
         else if(str[i]=='i'&&str[i+1]=='d'){ i+=2; }
14
         else { printf("Error\n"); return; }
15
16
17 = int main(){{
         printf("Enter expression: ");
18
19
         scanf("%s",str);
20
         E();
         if(str[i]=='\0') printf("Parsing Successful\n");
21
22
         else printf("Error\n");
23 L
```

```
Compile Log Debug C Find Results Close

Compilation results...

-----
- Errors: 0
- Warnings: 0
- Output Filename: 0:\Users\sreel\OneDrive\Desktop\Untitledic.exe
- Output Size: 129.3935846975 KiB
- Compilation Time: 0.17s
```

```
Enter expression: id+id*id
Parsing Successful
------
Process exited after 16.13 seconds with return value 0
Press any key to continue . . .
```

```
#include (stdio.h)
       #include (ctype.h)
       #include (math.mo
        char 'p:
        int E(); int T(); int F(); int P();
        int E(){ int v=f(); while(*p==** ||*p==*-) { char op=*p+*; int r=f(); v=f(op==**-) ?v*r:v r; | return v; }
int T(){ int v=F(); while(*p==**-||*p==*-/) { char op=*p+*; int r=F(); v=f(op==**-) ?v*r:v/r; | return v; }
int F(){ int v=P(); if(*p==*^*-) { p++; v=pon(v,F()); | return v; | }
int P(){ int v=0; if(*p==*(*)( p++; v=E(); if(*p==*)*) p++; | else while(isdigit(*p)) v=v*10+(*p++-*0*); return v; | }
10
11
12
13
14 = int main(){{
15
          char s[100]; printf("Enter expression: ");
             scanf("%s",s); p=s;
printf("Result=%d\n",E());
16
17
18 L
```

```
CompileLog  Debug  CFind Results  Close

Compilation results...

- Errors: 0

- Warnings: 0

- Output Filename: 0:\Users\sreel\OneDrive\Desktop\Untitledi3.exe

- Output Size: 151.8173828125 KiB

- Compilation Time: 0.16s
```

```
Enter expression: a+b*c
Result=0

Process exited after 10.8 seconds with return value 0
Press any key to continue . . .
```

```
#include <stdio.h>
 1
 2
     #include < string.h>
 4 - int main(){{
          char nt, p1[20], p2[20];
 5
 6
          printf("Enter production (E->ab|ac): ");
7
         scanf("%c->%[^|]|%s",&nt,p1,p2);
 8
         int i=0;
9
         while(p1[i] && p2[i] && p1[i] == p2[i]) i++; ax find common prefix
10
         if(i==0) printf("No Left Factoring\n");
11 -
          else {
              printf("%c->",nt);
12
13
              for(int j=0;j<i;j++) printf("%c",pl[j]);</pre>
14
              printf("%c'\n%c'->%s|%s\n",nt,p1+i,p2+i),
15
   L ]}
16
```

```
CompileLog Debug A Find Results Close

Compilation results...

-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\sreel\OneDrive\Desktop\Untitled9.exe
- Output Size: 129.4423828125 KiB
- Compilation Time: 0.16s
```