**Read input from file**

main() -> main ( ) Delimiters = [‘ ‘ , }, {, ( , ) , ‘ “ , ; …… ]

{ buffer =

Int a, b; keyword =[int, float, if, else…..] 32

operator=[+ - \* && || < > == ]

a = 10; Identifier = [a-z][A-z][0-9]

constants = [0-9]+ \

}

|  |  |  |  |
| --- | --- | --- | --- |
| Line | Lexeme | Token | Token Value |
| 1 | main | identifier | (ID,1 ) |
| 1 | ( | delimiter | (DL, 4) |
| 1 | ) | delimiter | (DL, 5) |
| 2 | { | delimiter | (DL, 2) |
| 3 | int | keyword | (KW, 1) |
| 3 | a | identifier | (ID,2) |
|  |  |  |  |
|  |  |  |  |
|  |  |  | (C, 10) |

Symbol Table

|  |  |
| --- | --- |
| 1 | main |
| 2 | a |
| 3 | b |

Printf(“hello”);

scanf(“%d”, &a);