


```

%%
int yywrap() {
    return 1;
}

int main() {
    yyin = fopen("p5.c", "r");
    if (!yyin) {
        perror("Error opening file");
        return 1;
    }
    yylex();
    printf("Valid Tokens: %d\n", valid);
    fclose(yyin); // Added file closure
    return 0;
}

```

✓ **P5.c :**

```

#include<stdio.h>
#include<conio.h>

void main() {
    // Declaration of variable
    int a, b = 1000, c, i = 10; // Integer declarations
    char x, y;                  // Character declarations
    char a = 'x';               // Incorrect: redeclaration of 'a'
    float p = 10.2, q = 20.5;   // Float declarations

    scanf("%d %d", &a, &b);    // Input two integers

    /*
    Addition of Two number
    */
    c = a + b;                  // Addition of a and b
    printf("Sum: %d", c);       // Print sum

    // Comment1
    if (a > b) {                 // If statement to check max
        printf("a is max");
    } else {
        printf("b is max");
    }

    a = b++ + c++;              // Post-increment a and b
    a += b;                     // Add b to a
    b = c && a;                  // Logical AND assignment

    // Print 1 to 100
    for (i = 1; i < 100; i++) { // Loop to print numbers

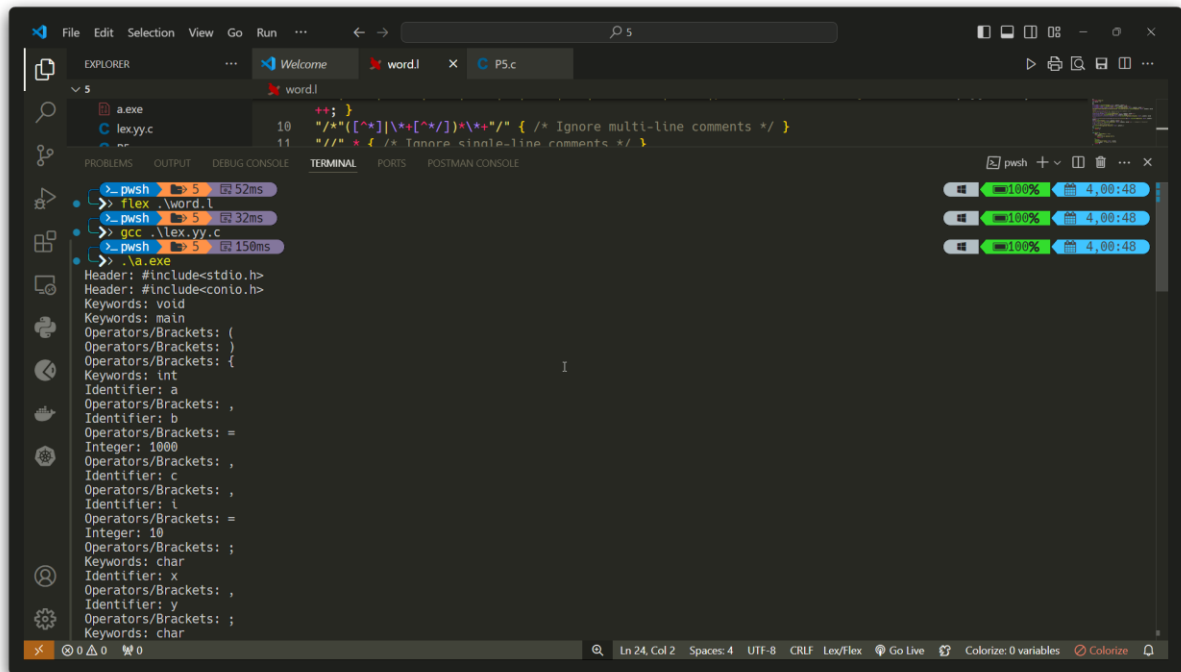
```

```

        printf("%d", i);
    }
}

```

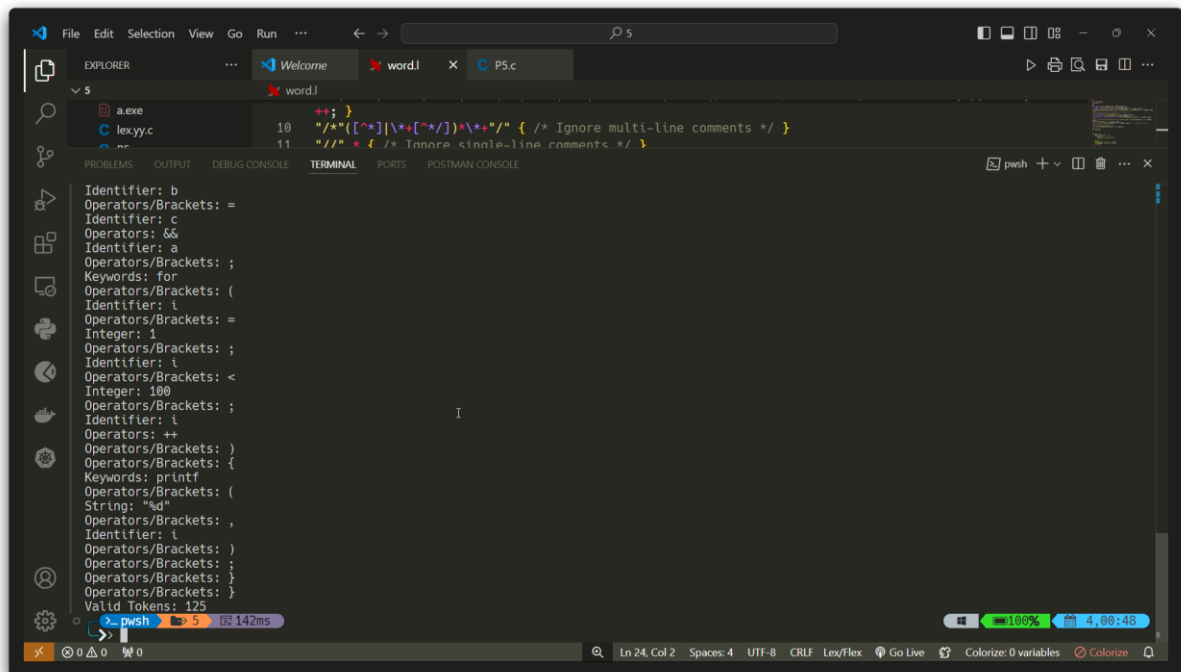
✓ **Output :**



```

Header: #include<stdio.h>
Header: #include<conio.h>
Keywords: void
Keywords: main
Operators/Brackets: (
Operators/Brackets: )
Operators/Brackets: {
Keywords: int
Identifier: a
Operators/Brackets: ,
Identifier: b
Operators/Brackets: =
Integer: 1000
Operators/Brackets: ,
Identifier: c
Operators/Brackets: ,
Identifier: i
Operators/Brackets: =
Integer: 10
Operators/Brackets: ;
Keywords: char
Identifier: x
Operators/Brackets: ,
Identifier: y
Operators/Brackets: ;
Keywords: char

```



```

Identifier: b
Operators/Brackets: =
Identifier: c
Operators: &&
Identifier: a
Operators/Brackets: ;
Keywords: for
Operators/Brackets: (
Identifier: i
Operators/Brackets: =
Integer: 1
Operators/Brackets: ;
Identifier: i
Operators/Brackets: <
Integer: 100
Operators/Brackets: ;
Identifier: i
Operators: ++
Operators/Brackets: )
Operators/Brackets: {
Keywords: printf
Operators/Brackets: (
String: \"%d\"
Operators/Brackets: ,
Identifier: i
Operators/Brackets: )
Operators/Brackets: ;
Operators/Brackets: }
Valid Tokens: 125

```