

EXPERIMENT-2.1

Aim:

Write a program that give output 'Compiler' when given input is 'Hi' otherwise give output 'Wrong'.

Code:

```
%option noyywrap
%{
    #include<stdio.h>
}%

%%
"hi" {printf("Compiler");}
.* {printf("Wrong");}

%%
int main()
{
    yylex();
    return 0;
}
```

Output:

```
PS C:\Users\ankus\OneDrive\Desktop\Compiler Design Lab\Exp-1> ./a.exe
hi
Compiler

bye
Wrong
```

EXPERIMENT-2.2

Aim:

Write a program to check whether a number is even or odd.

Code:

```
%{  
#include <stdio.h>  
%}  
  
%%  
[0-9]+ {  
    int n = atoi(yytext);  
    if (n % 2 == 0) {  
        printf("%d is Even\n", n);  
    } else {  
        printf("%d is Odd\n", n);  
    }  
}  
.  
\n ;  
  
%%  
int main()  
{  
    yylex();  
    return 0;  
}
```

Output:

```
PS C:\Users\ankus\OneDrive\Desktop\Compiler Design Lab\Exp-2> ./a.exe  
5  
5 is Odd  
  
12  
12 is Even
```