

//binary to decimal

```
%{
#include<stdio.h>
#include "y.tab.h"
//int yyval;
%}
%%

[0-1] {yyval=yytext[0]-'0'; return NUM;}

[*+\n] return *yytext;

. ;

%%

int yywrap(){
return 1;
}

%{
int yylex();
#include<stdlib.h>
void yyerror(char *);
%}

%name parse
%token NUM

%left '+'
%left '*'

%%

S : S N '\n' {$$=$2; printf("result:%d\n",$$);}
  | {}
N : L {$$=$1;}
L : L B {$$=$1*2+$2;}
  | B {$$=$1;}
B : NUM {$$=$1;}
```

```
;
%%

int main(){
    yyparse();
}

void yyerror(char *msg){
    printf("arithmetic error\n");
}
```

```
rajasree@ubuntu-RajasreeVM:~/Desktop/lex$ lex yacc_lex_bi.l
rajasree@ubuntu-RajasreeVM:~/Desktop/lex$ bison -dy bitodec.y
rajasree@ubuntu-RajasreeVM:~/Desktop/lex$ gcc y.tab.c lex.yy.c
rajasree@ubuntu-RajasreeVM:~/Desktop/lex$ ./a.out
1101
result:13
```