

Lab -08

Name – Amit Kumar

Sec- B

Roll-220103021

lex code-

```
%{
/* Definition section */
%}
ALPHA [A-Z a-z]
DIGIT [0-9]

/* Rule Section */
%%
{ALPHA}({ALPHA}|{DIGIT})* return ID;
{DIGIT}+ {yyval=atoi(yytext); return ID;}
[\n \t] yyterminate();
. return yytext[0];
%%
```

Yacc code-

```
%{
/* Definition section */
%}
ALPHA [A-Z a-z]
DIGIT [0-9]

/* Rule Section */
%%
{ALPHA}({ALPHA}|{DIGIT})* return ID;
{DIGIT}+ {yyval=atoi(yytext); return ID;}
[\n \t] yyterminate();
```

return yytext[0];

.
%%

output-

```
→ ~ ./a.out
Enter infix expression: a*b+c
ab*c+
→ ~ ./a.out
Enter infix expression: b*d-e
bd*e-
```