Lab -09

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Lex code-
```
   %{
/* Definition section */
extern int yylval;
%}

/* Rule Section */
%%

0 {yylval = 0; return ZERO;}

1 {yylval = 1; return ONE;}

.|\n {yylval = 2; return 0;}

%%
```

Yacc code-
```
   %{
/* Definition section */
#include<stdio.h>
#include <stdlib.h>
void yyerror(const char *str)
{
printf("\nSequence Rejected\n");
```

```
}

%}

%token ZERO ONE

/* Rule Section */
%%

r : s {printf("\nSequence Accepted\n\n");}
;

s : n
| ZERO a
| ONE b
;

a : n a
| ZERO
;

b : n b
| ONE
;

n : ZERO
| ONE
;

%%
```
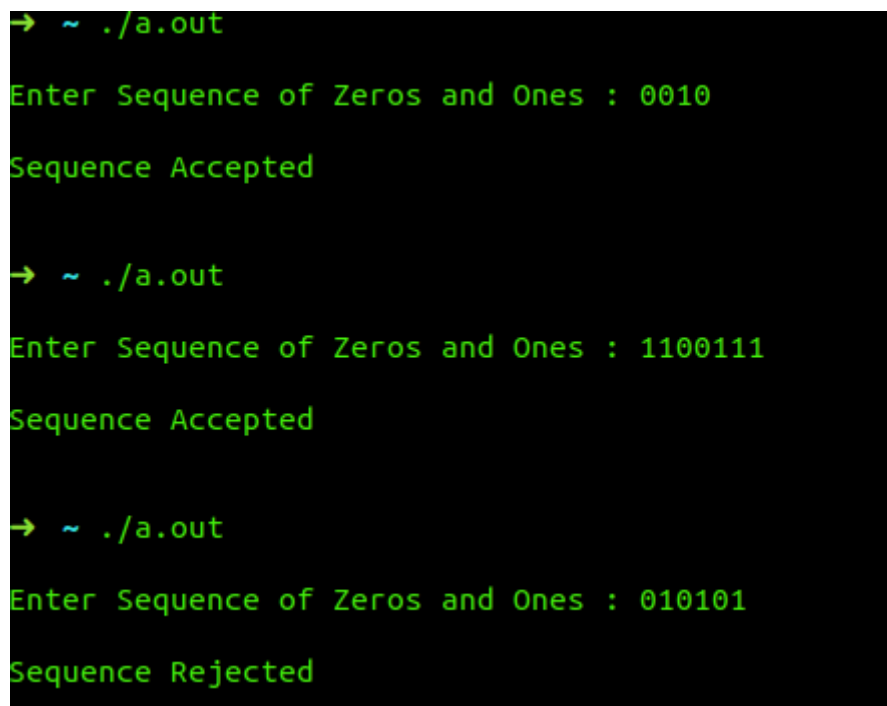
```
#include"lex.yy.c"
//driver code
int main()
{
    printf("\nEnter Sequence of Zeros and Ones : ");
    yyparse();
    printf("\n");
    return 0;
}
```

Output-