

YACC program to implement LALR bottom up parser

a.l

```
%option noyywrap
```

```
%{
```

```
#include "y.tab.h"
```

```
%}
```

```
%%
```

```
"0" {return zero;}
```

```
"1" {return one;}
```

```
[\n] {return nl;}
```

```
%%
```

b.y

```
%{
```

```
%}
```

```
%token zero one nl
```

```
%%
```

```
S : one zero N {}
```

```
  | one zero A N {}
```

```
;
```

```
A : zero A {}
```

```
  | one A {}
```

```
  | zero {}
```

```
  | one {}
```

```
;
N : nl {printf("matched");}

%%

void main()
{
    yyparse();
}

void yyerror()
{
    printf("wrong input");
    return;
}
```

```
[root@localhost glau]# ./a.out
10010
matched23
23wrong input[root@localhost glau]#
```