2. Develop, Implement and Execute a program using YACC tool to recognize all strings ending with b preceded by n a's using the grammar a^n b (note: input n value)

```
<u>2.1</u>
% {
#include"y.tab.h"
% }
%%
       {return A;}
a
        {return B;}
b
\n
       {return yytext[0];}
%%
<u>2.y</u>
% {
#include<stdio.h>
int n,count=0;
%}
%token A B
%%
str:str1B {if(count!=n) yyerror();}
|B {if(count!=n) yyerror();}
str1:str1A {count++;}
|A {count++;}
%%
main()
{
       printf("Enter the value of n\n");
       scanf("%d",&n);
       printf("Enter the string\n");
       yyparse();
       printf("The string is valid\n");
```

}

```
int yyerror()
{
          printf("Invalid string\n");
          exit(0);
}
Execution Steps:
yacc -d 2.y
lex 2.l
cc lex.yy.c y.tab.c -ll
```

. /a.out