Name: Arundarasi Rajendran

PRN:18070122081

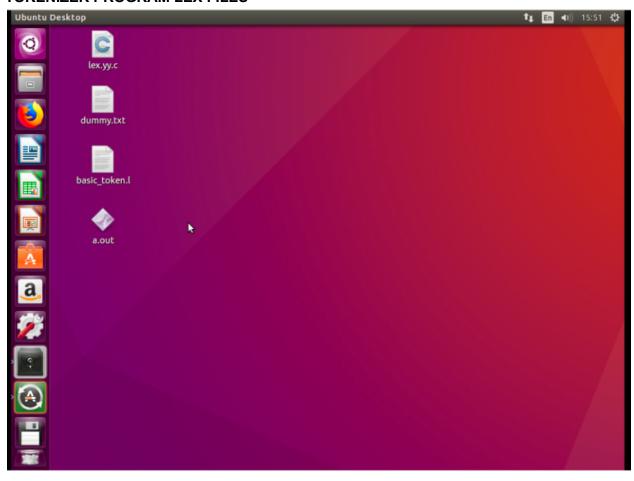
Batch: C3

CODE OF TOKENIZER PROGRAM IN LEX

```
basic_token.l (~/Desktop) - gedit
                                                                                                                           t En ◄)) 15:51 🔆
         %{
         #include<stdio.h>
         int comment_count=0, keyword_count=0, id_count=0, line_count=0,space_count=0;
         int non_id_count=0;
         int multiline_comment_count=0;
         %}
         keyword int|float|while|do|if|else|for|double|scanf|printf|return|include
        \/\/(.*)\n
\/\*(.|\n)*\*\/
\"(.)*\"
                                                             {++comment_count;}
                                                             {++multiline_comment_count;}
                                   I
                                                             {++space_count;}
{++keyword_count;printf("Keyword found: %s\n",yytext);}
{++id_count;printf("ID found: %s\n", yytext);}
         {keyword}
         ([A-Za-z])([A-Za-z0-9_]*)
         [0-9]*
                                                             {++non_id_count;}
         ;\n|\n|;
                                                             {++line_count;}
         \<.*\>
         %%
         int yywrap()
          return 1;
         int main()
          /// Open the file
char filename[50] = "dummy.txt";
yyin= fopen(filename,"r");
          // Read the file
          yylex();
          // Print out counts
printf("\nNumber of Comments: %d\n", comment_count);
printf("\nNumber of Multiline Comments: %d\n", multiline comment count):
                                                                            Lex ▼ Tab Width: 8 ▼
                                                                                                                  Ln 45, Col 36 ▼ INS
```

CODE OF INPUT PROGRAM

TOKENIZER PROGRAM LEX FILES



OUTPUT OF PROGRAM

