```
Name: Abdul Momin Sk
1. Lex program to count number of words in a given string
      1.5
          #indude (oldio.h)
          0 = brow thi
      [10] { print (" Total Number of Words: "drn", word);
                word=0; pointf ("no Enter the string: ");}
   ([a-zA-Z 0-9])* {word++;}
     4.7
      int gywrap () & }
      int main ()
         points (" in Enter the strong: ");
          yylex();
           return 0;
        I dop I my It of there
 Output:
      Enter the string: about mornin sk 01
Total Number of woods: 4
```

File Edit View Search Terminal Help

[momin@localhost lex]\$ lex words_count.l
[momin@localhost lex]\$ gcc lex.yy.c -lfl
[momin@localhost lex]\$./a.out

Enter the string: abdul momin sk θ1 Total Number of Words: 4

Enter the string:

momin@localhost:~/lex

```
2. Lex programs to identify identifier. Numbers, keywords and Operator
   used in c Language.
          %5
                #includex ordio.h>
          1.1.
           [10] & pointf (" mm Pls. give the imput: "); }
         auto | double 1 int | struct | break 1 ebe 1 long | quoitoh 1 case | enum)
           register | typedef | charc | exteren | return | umion | continue | bir
           signed Ivoid Ido I if I static I while I default I goto I size of I washel
           const / flood / short {printf ("This is key words"); }
          [a-2 A-2-] [a-2 A-2 0-9-]* {prints ('This is 9 don't iter');}
           [0-9]* {printf("This is Number 1);}
          [+-/* %=] {proint (" This is Opercodor");}
           * { proints (" Invalid"); }
           %.1.
           main()
                 proints (" on Pls. give the imput: ");
                 44/ex();
           3 Billion Dille a Lincole 11 pe
```

File Edit View Search Terminal Help

[momin@localhost lex]\$ lex identi.l
[momin@localhost lex]\$ gcc lex.yy.c -lfl
[momin@localhost lex]\$./a.out

Pls give the input: else

This is Keywords

Pls give the input: 232mojf

Invalid

Pls give the input: _moni

This is Identifier

Pls give the input: 232

This is Number

Pls give the input: +

This is Operator

Pls give the input:

momin@localhost:~/lex

```
Mark Mill Heart
3. Lex program to check valid Mobile Number (10 digits)
      1/5
           #include(stdio.h)
     14.4.
      [m] { prints ("mm Enter mobile Number: "); }
      [1-9][0-9] {9} { print f ("Mobile Number Valid."); }
           { prints ("Mobile Number Invalid."); }
       %:/.
       int main ()
           prointy (" in Enter Hobile Number: ");
            yylex ();
             retwen o;
· Output:
          Enderc MMobile Numberc:
           Hobile Number Valid.
           Enter mobile Number : 09876 59 327
```

Mobile Number Invalid.

File Edit View Search Terminal Help

[momin@localhost lex]\$ lex valid_phone.l
[momin@localhost lex]\$ gcc lex.yy.c -lfl
[momin@localhost lex]\$./a.out

Enter mobile Number: 9876543210

Mobile number Valid.

Enter mobile Number: 0987654321

Mobile number Invalid.

Enter mobile Number: 987654

Mobile number Invalid.

Enter mobile Number:

momin@localhost:~/lex