

```
bmsce@bmsce-Precision-T1700:~/1BM21CS225$ lex prog6.l
bmsce@bmsce-Precision-T1700:~/1BM21CS225$ lex prog6.l
bmsce@bmsce-Precision-T1700:~/1BM21CS225$ gcc lex.yy.c
bmsce@bmsce-Precision-T1700:~/1BM21CS225$ ./a.out
```

```
r
Not a digit
```

```
30
Digit
```

```
30.45
Digit
```

```
.45
i
Not a digit
```

```
bmsce@bmsce-Precision-T1700:~/1BM21CS225$ lex prog7.l
bmsce@bmsce-Precision-T1700:~/1BM21CS225$ gcc lex.yy.c
bmsce@bmsce-Precision-T1700:~/1BM21CS225$ ./a.out
```

```
6
Even
9
Odd
r
r
ar
ar
```

```
bmsce@bmsce-Precision-T1700:~/1BM21CS225$ lex prog8.l
bmsce@bmsce-Precision-T1700:~/1BM21CS225$ gcc lex.yy.c
bmsce@bmsce-Precision-T1700:~/1BM21CS225$ ./a.out
```

```
7
Prime number
12
Not a prime number
```

```
bmsce@bmsce-Precision-T1700:~/1BM21CS225$ lex prog9.l
bmsce@bmsce-Precision-T1700:~/1BM21CS225$ gcc lex.yy.c
bmsce@bmsce-Precision-T1700:~/1BM21CS225$ ./a.out
```

```
int
Keyword
ola
Identifier
^&
^&
9figi
Invalid token
```

```

bmsce@bmsce-Precision-T1700:~/1BM21CS225$ lex prog10.l
bmsce@bmsce-Precision-T1700:~/1BM21CS225$ gcc lex.yy.c
bmsce@bmsce-Precision-T1700:~/1BM21CS225$ ./a.out
Enter filename:prog7.l
%{
#identfier<Identifier,Identifler>
Keyword Identifier;
}%
%%
[Invalid token-Invalid token]+ {Identifier=Identifier(Identifier);Identifier(Identifier%Invalid token==Invalid token) Identifier("Identifier");Identifier Identifier("Identifier");}
%%
Keyword Identifier()
{
}
Keyword Identifier()
{
Identifier();
Identifier Invalid token;
}
bmsce@bmsce-Precision-T1700:~/1BM21CS225$ ^C
bmsce@bmsce-Precision-T1700:~/1BM21CS225$ ./a.out
Enter filename:input.txt
Keyword Identifier;

```

```

bmsce@bmsce-Precision-T1700:~/1BM21CS225$ lex prog11.l
bmsce@bmsce-Precision-T1700:~/1BM21CS225$ gcc lex.yy.c
bmsce@bmsce-Precision-T1700:~/1BM21CS225$ ./a.out
Enter input:digi10
Alpha-numeric string
45
45 is a digit
rat
rat is a character

```

```

bmsce@bmsce-Precision-T1700:~/1BM21CS225$ lex prog12.l
bmsce@bmsce-Precision-T1700:~/1BM21CS225$ gcc lex.yy.c
bmsce@bmsce-Precision-T1700:~/1BM21CS225$ ./a.out
+.3
Floating point number
-3
-Not a floating point number

.6
Floating point number
57.48
Floating point number
67.78786
Floating point number

```