

OUTPUT:

```
diya@LAPTOP-U24S3V3Q/DIYA_GOYAL_H_52:~/compiler_lab$ lex prog1.l
```

```
diya@LAPTOP-U24S3V3Q/DIYA_GOYAL_H_52:~/compiler_lab$ cc lex.yy.c
```

```
diya@LAPTOP-U24S3V3Q/DIYA_GOYAL_H_52:~/compiler_lab$ ./a.out
```

hii how are you

number of lines are=1

number of tabs are=0

number of characters=12

number of spaces=3

OUTPUT :

```
diya@LAPTOP-U24S3V3Q/DIYA_GOYAL_H_52:~/compiler_lab$ lex prog2.l
```

```
diya@LAPTOP-U24S3V3Q/DIYA_GOYAL_H_52:~/compiler_lab$ cc lex.yy.c
```

```
diya@LAPTOP-U24S3V3Q/DIYA_GOYAL_H_52:~/compiler_lab$ ./a.out
```

This File contains ...

4 lines

1 Tabs

0 small letters

15 capital letters

0 digits

4 special characters

In total 19 characters.

OUTPUT:

INPUT FILE

Graphic Era

University

Dehradun

```
diya@LAPTOP-U24S3V3Q/DIYA_GOYAL_H_52:~/compiler_lab$ lex prog3.l
```

```
diya@LAPTOP-U24S3V3Q/DIYA_GOYAL_H_52:~/compiler_lab$ cc lex.yy.c
```

```
diya@LAPTOP-U24S3V3Q/DIYA_GOYAL_H_52:~/compiler_lab$ ./a.out
```

OUTPUT FILE

GraphicEraUniversityDehradun

OUTPUT:

INPUT FILE

she is the Best

A

A

A

Best

```
diya@LAPTOP-U24S3V3Q/DIYA_GOYAL_H_52:~/compiler_lab$ lex prog4.l
```

```
diya@LAPTOP-U24S3V3Q/DIYA_GOYAL_H_52:~/compiler_lab$ cc lex.yy.c
```

```
diya@LAPTOP-U24S3V3Q/DIYA_GOYAL_H_52:~/compiler_lab$ ./a.out
```

```
diya@LAPTOP-U24S3V3Q/DIYA_GOYAL_H_52:~/compiler_lab$ ls
```

OUTPUT FILE

she is the Best

Best

Best

Best

Best

OUTPUT:

```
diya@LAPTOP-U24S3V3Q/DIYA_GOYAL_H_52:~/compiler_lab$ lex prog4.l
```

```
diya@LAPTOP-U24S3V3Q/DIYA_GOYAL_H_52:~/compiler_lab$ lex prog5.l
```

```
diya@LAPTOP-U24S3V3Q/DIYA_GOYAL_H_52:~/compiler_lab$ cc lex.yy.c
```

```
diya@LAPTOP-U24S3V3Q/DIYA_GOYAL_H_52:~/compiler_lab$ ./a.out
```

NAME

Valid Identifier

123NAME

Invalid Identifier

OUTPUT:

NAME

123_NAME

NAME_123

```
diya@LAPTOP-U24S3V3Q/DIYA_GOYAL_H_52:~/compiler_lab$ lex prog6.l
```

```
diya@LAPTOP-U24S3V3Q/DIYA_GOYAL_H_52:~/compiler_lab$ cc lex.yy.c
```

```
diya@LAPTOP-U24S3V3Q/DIYA_GOYAL_H_52:~/compiler_lab$ ./a.out
```

NAME:Valid Identifier

1:Invalid Identifier

NAME_123:Valid Identifier

OUTPUT:

```
diya@LAPTOP-U24S3V3Q/DIYA_GOYAL_H_52:~/compiler_lab$ lex prog7.l
```

```
diya@LAPTOP-U24S3V3Q/DIYA_GOYAL_H_52:~/compiler_lab$ cc lex.yy.c
```

```
diya@LAPTOP-U24S3V3Q/DIYA_GOYAL_H_52:~/compiler_lab$ ./a.out
```

1.0

Valid Float

1

Valid Integer

0.1

Valid Float

1233

Valid Integer

1.0.0

OUTPUT:

INPUT FILE

12.12

12

312345.123

50.999.876

```
diya@LAPTOP-U24S3V3Q/DIYA_GOYAL_H_52:~/compiler_lab$ lex prog8.l
```

```
diya@LAPTOP-U24S3V3Q/DIYA_GOYAL_H_52:~/compiler_lab$ cc lex.yy.c
```

```
diya@LAPTOP-U24S3V3Q/DIYA_GOYAL_H_52:~/compiler_lab$ ./a.out
```

OUTPUT FILE

12.12: Valid Float

12: Valid Integer

312345.123: Valid Float

50.999.876 :Invalid Float