

6b) Program to recognize a valid variable, which starts with a letter, followed by any number of letters or digits

6b.l

```
%{

#include "y.tab.h"

%}

%%

[a-z]    return L;

[0-9]    return D;

\n {return NL;}

%%

int yywrap() { }
```

6b.y

```
%{

#include<stdio.h>

%}
```

%token L D NL

```
%%

var: L E NL {printf("Valid Variable\n");return 0;}

E: E L

| E D

|     ;

%%

int yyerror()

{

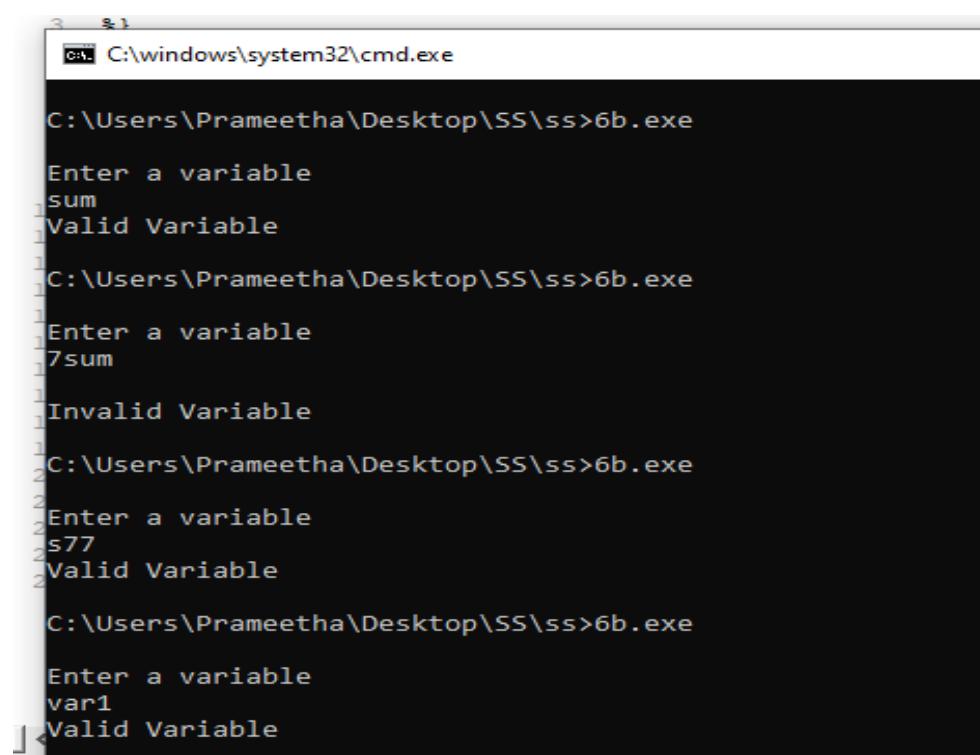
    printf("\n Invalid Variable\n");
```

```
    return 0;  
}  
  
int main()  
{  
    printf("\nEnter a variable\n");  
    yyparse();  
}
```

Commands For Execution

```
lex 6b.l  
yacc 6b.y  
yacc -y -d 6b.y  
gcc lex.yy.c y.tab.c -o 6b.exe  
6b.exe
```

Output



```
C:\Windows\system32\cmd.exe  
C:\Users\Prameetha\Desktop\SS\ss>6b.exe  
Enter a variable  
sum  
Valid Variable  
C:\Users\Prameetha\Desktop\SS\ss>6b.exe  
Enter a variable  
7sum  
Invalid Variable  
C:\Users\Prameetha\Desktop\SS\ss>6b.exe  
Enter a variable  
s77  
Valid Variable  
C:\Users\Prameetha\Desktop\SS\ss>6b.exe  
Enter a variable  
var1  
Valid Variable
```