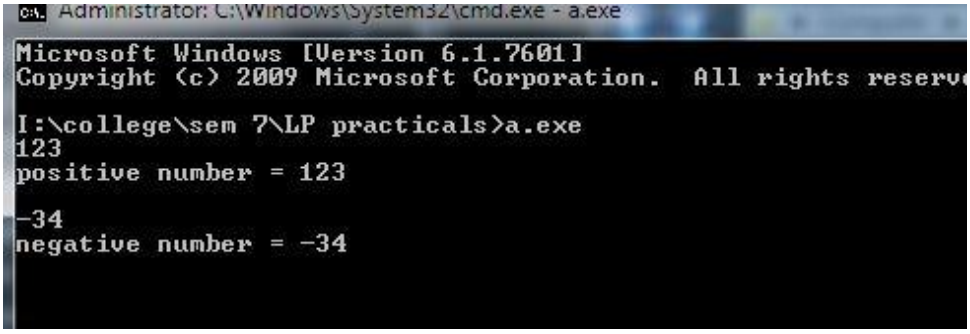
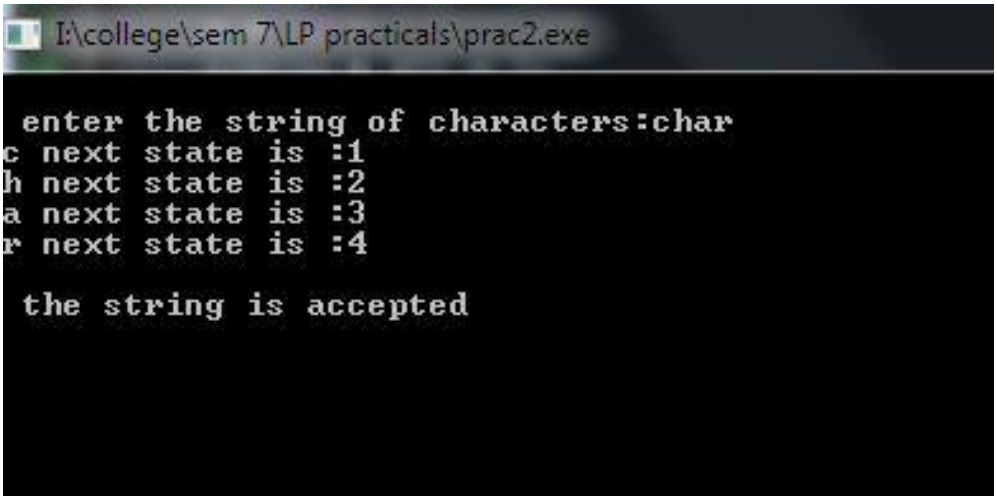
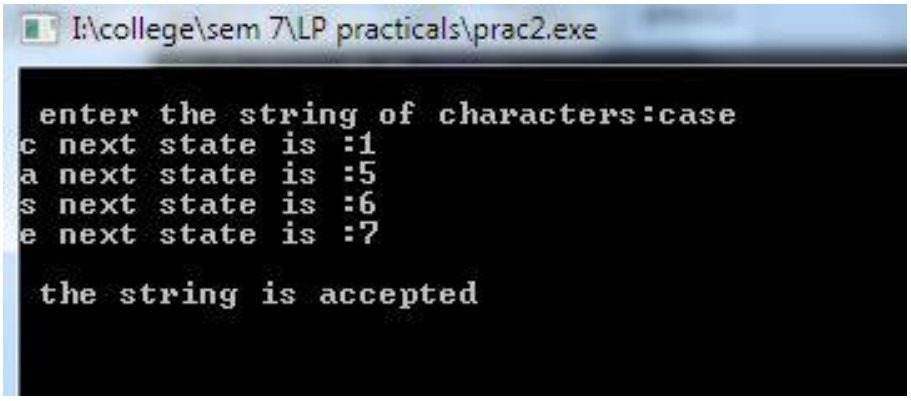
Practical 1

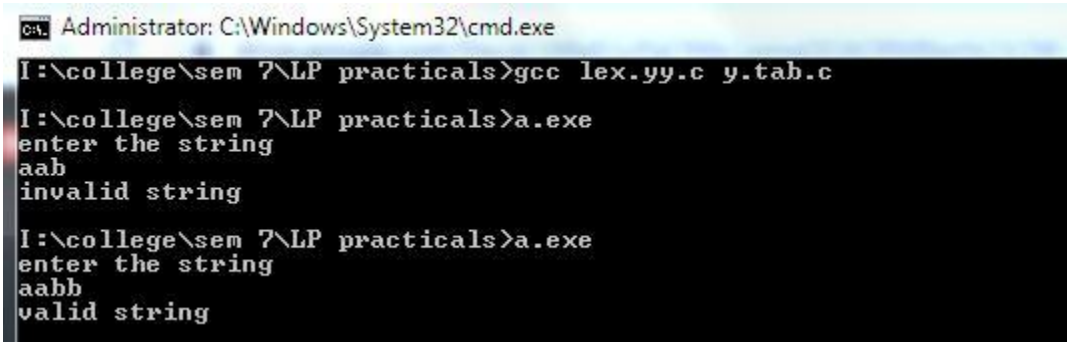

Administrator: C:\Windows\System32\cmd.exe - a.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserv
I:\college\sem 7\LP practicals>a.exe
123
positive number = 123
-34
negative number = -34

Practical 2

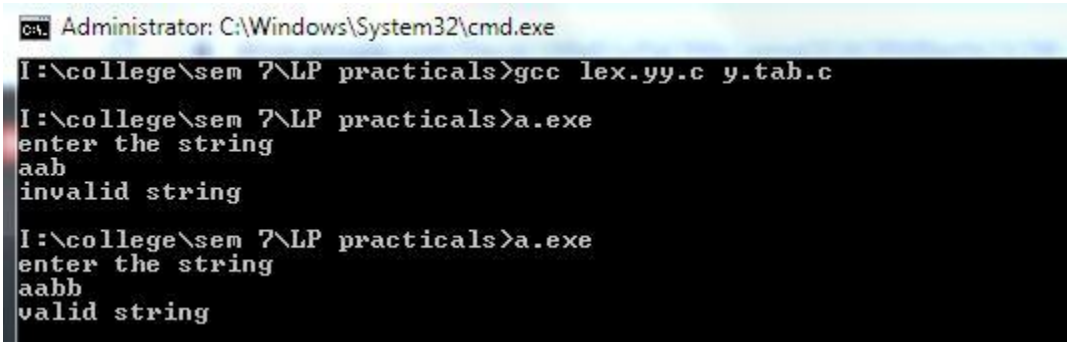

I:\college\sem 7\LP practicals\prac2.exe
enter the string of characters:char
c next state is :1
h next state is :2
a next state is :3
r next state is :4
the string is accepted


I:\college\sem 7\LP practicals\prac2.exe
enter the string of characters:case
c next state is :1
a next state is :5
s next state is :6
e next state is :7
the string is accepted

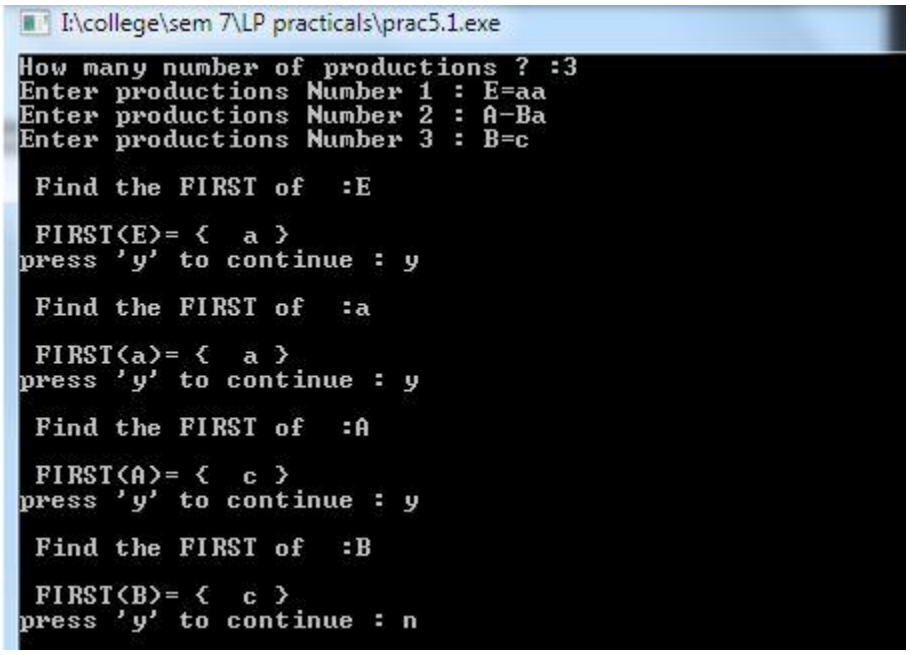
Practical 3


Administrator: C:\Windows\System32\cmd.exe
I:\college\sem 7\LP practicals>gcc lex.yy.c y.tab.c
I:\college\sem 7\LP practicals>a.exe
enter the string
aab
invalid string
I:\college\sem 7\LP practicals>a.exe
enter the string
aabb
valid string

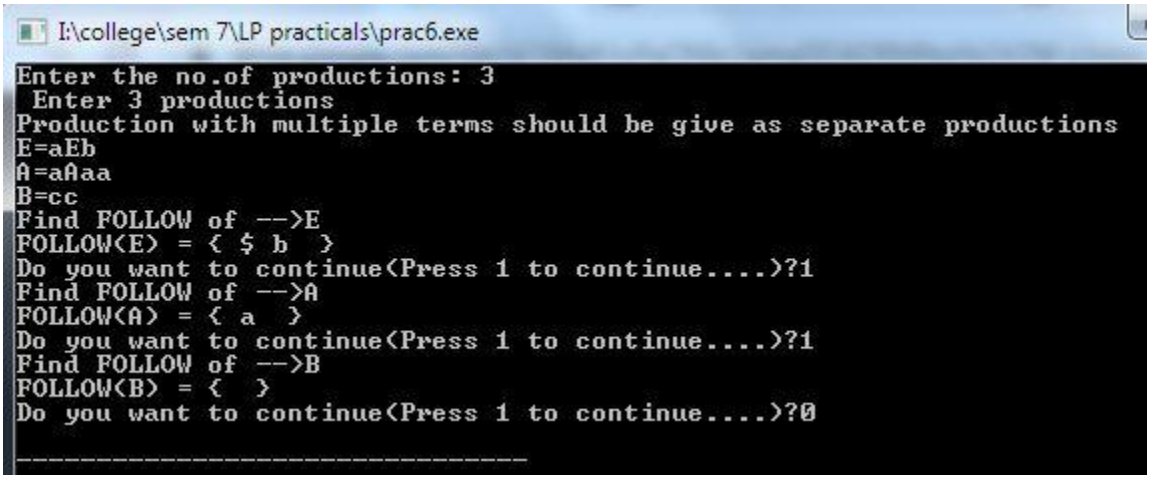
Practical 4


Administrator: C:\Windows\System32\cmd.exe
I:\college\sem 7\LP practicals>gcc lex.yy.c y.tab.c
I:\college\sem 7\LP practicals>a.exe
enter the string
aab
invalid string
I:\college\sem 7\LP practicals>a.exe
enter the string
aabb
valid string

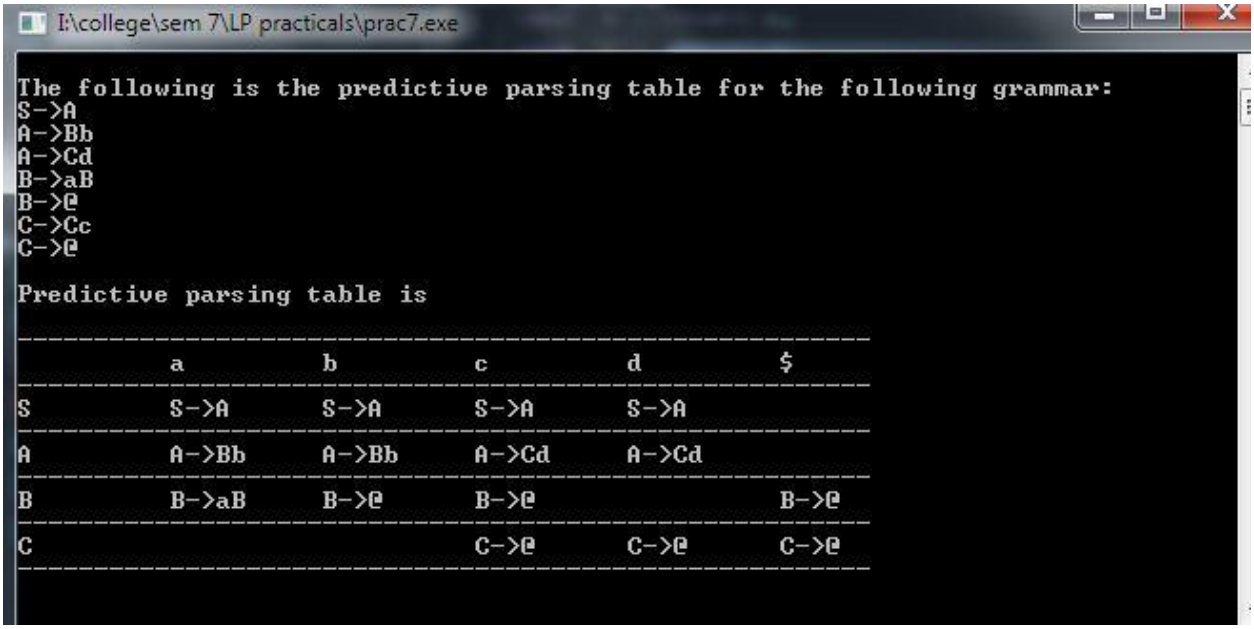
Practical 5


I:\college\sem 7\LP practicals\prac5.1.exe
How many number of productions ? :3
Enter productions Number 1 : E=aa
Enter productions Number 2 : A-Ba
Enter productions Number 3 : B=c
Find the FIRST of :E
FIRST(E)= { a }
press 'y' to continue : y
Find the FIRST of :a
FIRST(a)= { a }
press 'y' to continue : y
Find the FIRST of :A
FIRST(A)= { c }
press 'y' to continue : y
Find the FIRST of :B
FIRST(B)= { c }
press 'y' to continue : n

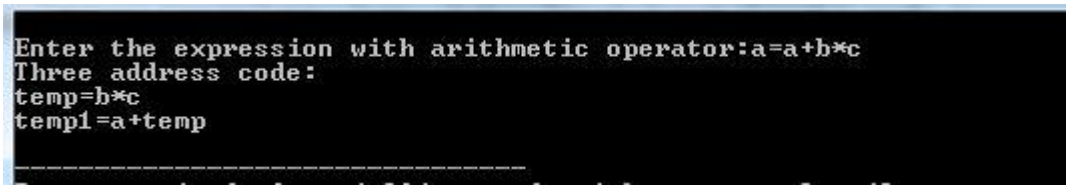
Practical 6


I:\college\sem 7\LP practicals\prac6.exe
Enter the no.of productions: 3
Enter 3 productions
Production with multiple terms should be give as separate productions
E=aEb
A=aAaa
B=cc
Find FOLLOW of -->E
FOLLOW(E) = { $ b }
Do you want to continue(Press 1 to continue....)?1
Find FOLLOW of -->A
FOLLOW(A) = { a }
Do you want to continue(Press 1 to continue....)?1
Find FOLLOW of -->B
FOLLOW(B) = { }
Do you want to continue(Press 1 to continue....)?0

Practical 7


I:\college\sem 7\LP practicals\prac7.exe
The following is the predictive parsing table for the following grammar:
S->A
A->Bb
A->Cd
B->aB
B->@
C->Cc
C->@
Predictive parsing table is
a b c d $
S S->A S->A S->A S->A
A A->Bb A->Bb A->Cd A->Cd
B B->aB B->@ B->@ B->@
C C->@ C->@ C->@

Practical 9


Enter the expression with arithmetic operator:a=a+b*c
Three address code:
temp=b*c
temp1=a+temp