Parser-LL(1) code:-

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Created on Sun Apr 3 23:02:50 2022
@author: COMPUTER
# -*- coding: utf-8 -*-
Created on Mon Mar 28 05:58:14 2022
@author: COMPUTER
import re
r=int(input("Enter no. of non-terminals: "))
c=int(input("Enter no. of terminals: "))+1
non=[]
ter=[]
table=[]
stack=['$','S']
ptr=0
print("Enter non-terminals")
for i in range(r):
  non.append(input( ))
print('Enter terminals')
for i in range(c-1):
  ter.append(input())
ter.append('$')
print('Enter productions for: ')
temp list=[]
```

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for i in range(r):
  for j in range(c):
     print(non[i],'&',ter[j],':')
     temp list.append(input( ))
  table.append(temp list)
inp_str=input('Enter string to parse:')+'$'
while(True):
  if(re.match('[A-z]',stack[-1]) and inp_str[ptr]!='$'):
     row=non.index(stack.pop())
     col=ter.index(inp str[ptr])
     if(table[row][col]!='*'):
        temp = table[row][col][::-1]
     while(temp!="):
        stack.append(temp[0])
        temp=temp.replace(temp[0],")
     if(stack[-1] == inp str[ptr] and inp str[ptr]!='$'):
        ptr=ptr+1
        stack.pop()
     if(stack[-1]=='$'):
        if(inp_str[ptr]=='$'):
           print('String is accepted')
           break
     else:
        print('String is not accepted')
        break
  elif(inp str[ptr] == '$'):
     print('String is not accepted')
     break
```

Output:-



