**GANPAT UNIVERSITY**

**U.V.PATEL COLLEGE OF ENGINEERING & TECHNOLOGY**

**Department of Computer Science and Engineering**

**B.Tech 7thSemester Subject: Compiler Design**

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**Practical 6**

**#Follow set**

dict ={}

dict ['E'] = 'TU'

dict ['U'] = '+TU|^'

dict ['T'] = 'FV'

dict ['V'] = '\*FV|^'

dict ['F'] = 'i|a'

print('items')

cnt=0;

F1=[]

F2=[]

for g, y in dict.items():

print(g, y)

F1.append('')

F1[cnt]=y.split('|')

F2.append('')

F2[cnt]=y

cnt+=1;

print('F1 -------',F1)

cnt=0;

flw={}

m='$'

for g, y in dict.items():

find=0;

for i in range(0, len(F1)):

if(F2[i]!=y):

for j in range(0, len(F1[i])):

for k in range(0,len(F1[i][j])):

if(g is F1[i][j][k]):

find=1;

if(k==len(F1[i][j])-1): #last element

find=0;

else:

z=len(F1[i][j][k+1]) #First of code

p=F1[i][j][k+1]

cpeg=0;

value=2;

h=[];

for a,b in dict.items():

if(a==p):

for i2 in F1[cpeg]:

if(i2[0]!='^'):

h.append(i2[0])

else:

if('$' not in h):

h.append('$')

break;

cpeg+=1;

print('break',g,'\_\_\_\_',F1[i][j],'\_\_\_\_',y)

break;

#After BREAK is applied it starts here from '#' position

if(find==0):

flw [g] = m

print('f=0 store in $ flw ',flw)

else:

print('B');

flw [g] = h

print('f=1 store in $ flw ',flw)

cnt+=1;

print(flw)

