percept= ["ANUM","TAIMUR","ALI","SAAD"]

state= ["HAPPY","SAD","ANGRY","NORMAL"]

rule= ["SMILE","CRY","FROWN","WATCH FOOTBALL"]

def GetState(cPercept):

index = -1

for p in percept:

index = index+1

if p==cPercept:

return state[index]

def GetRule(cState):

index=-1

for s in state:

index=index+1

if s==cState:

return rule[index]

def SimpleReflexAgent(cPercept):

return GetRule(GetState(cPercept))

print ("MENU: ")

print (" 0:Anum 1:Taimur 2:Ali 3:Saad")

print (SimpleReflexAgent(percept[int(input("Input Number: "))]))