AI Lab 1

Simple Reflex Agent

11762 Muhammad Kashif

Code

preception = ["A","B","C","D"]

state = ["Clean", "Dirty", "Wet","Clean"]

rule = ["Cleaned","Cleaned","Dryied","Cleaned"]

def GetState(c):

for i in preception:

if state[c] == "Clean":

print("Room ", preception[c], " Already clean moving to next room")

c += 1

return GetState(c)

else:

print("the floor is ",state[c])

print("Cleaning room", preception[c])

return c

def GetRule(cs):

if cs < 5:

for i in range(cs,5):

print(rule[i])

print("moving to next room")

return GetRule(GetState(cs+1))

else:

return "Everything is cleaned"

def SimpleReflexAgent(c):

return GetRule(GetState(c))

print("Menu")

print("0: A 1:B 2:C 3:D")

print(SimpleReflexAgent(int(input("Input a number"))))

Output

