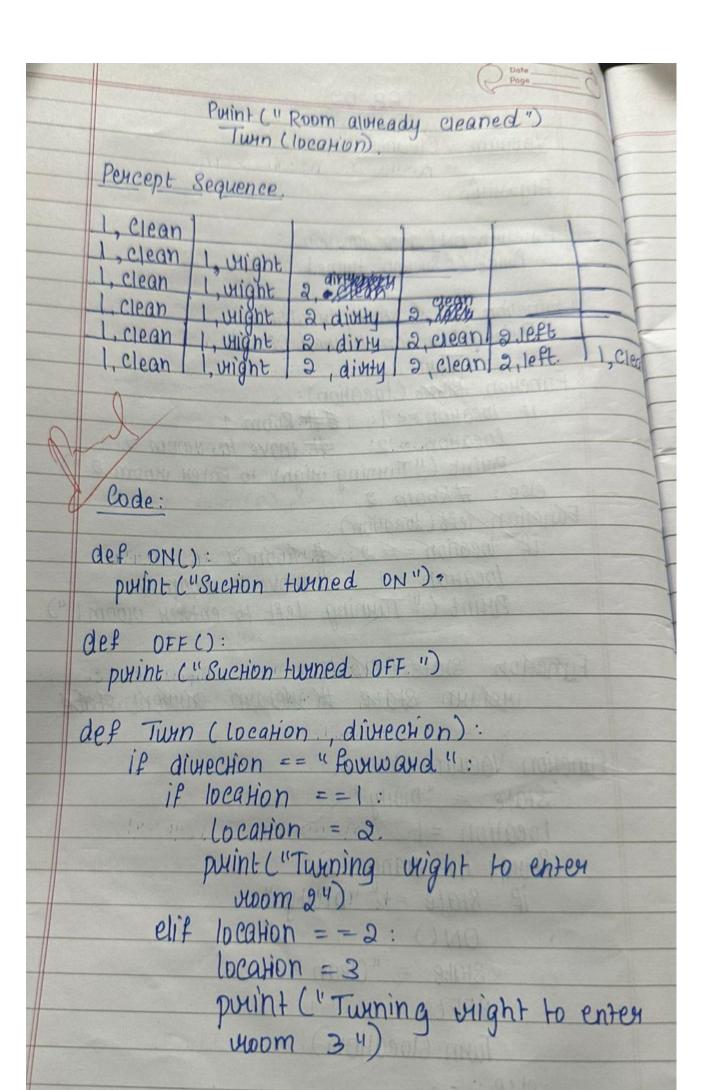
## LAB:2 Vacuum cleaner

## Observation book:

```
Date 1-10-94
              LAB-02
 Vacuum Cleaner
 Algorithm:
 Function on (State Accepton):
    Print (" Suction twined ON")
 Function OFF ( State / Location):
Perint ("Suction turned OFF")
 Function Right Cloedtion):
    if location == 1: ## Room 1
location = 2 # move to woom 2.
      Purint ("Turning uright to enter uroom 2")
    else: #Room 2
 Function Test ( Weation):
    if location = 2: # ROOM &
       location = 1 # move to woom 1
        Purint (" Turning left to enterer uroom!")
 Function state (state):
       vieturn state # Metaum churient state
Function Vacuum ():
     State = "Divity"
     Location =1
     Four i in mange (2):
if State == "Dimty".
           DN()
           State = "Clean"
          OFF()
         Turn (location)
       : 9219
```



```
classmate
               elif location == 3:
                    location = 4
                    punint (" Tunning uright to enter
               else:
                     pass
          else: if location == 2:
              location == 1
               puint ("Turning left to enter room 1").

elif location == 3:
               location = 2

puint ("Twining left to enter

woom 2")
             elif location = = 4:
                  location = 3
                puint Twining left to enter vioom
           elif location = 4
                 location
               puint ("Turning wight to enter
         Meturn location
 State = "Dirty"

Location = 1

Purint ("Starting at woom 1, Dirty")

Putint
FOUR i in Mange (4):

if State == "Dirty".
         DNO
         State = "clean"
         puint Cypopm is also, 1)
```

Location = Twen (Location, "Forward") puint c'Room is alveady cleaned") else: four i in wange (3):

if state == "Dirty": ON ()
State = "clean" print (\*"Room is clean now")

OFF()

LOCATION = Turn Clocation , "Heverse") else: print ("Room is clean ")
location = Turn (Location; "veverue Output: Starting your 1, Dirty Syction turned ON Room is clean Suction Humed OFF Juning right to enter upom 2.

Truning right to enter upom 2.

Truning leady clean

" upom is already clean

" upom is already clean

Truning left to enter your 3

your is already clean

Juning left to enter your 3

your is already cleaned

## **Output:**