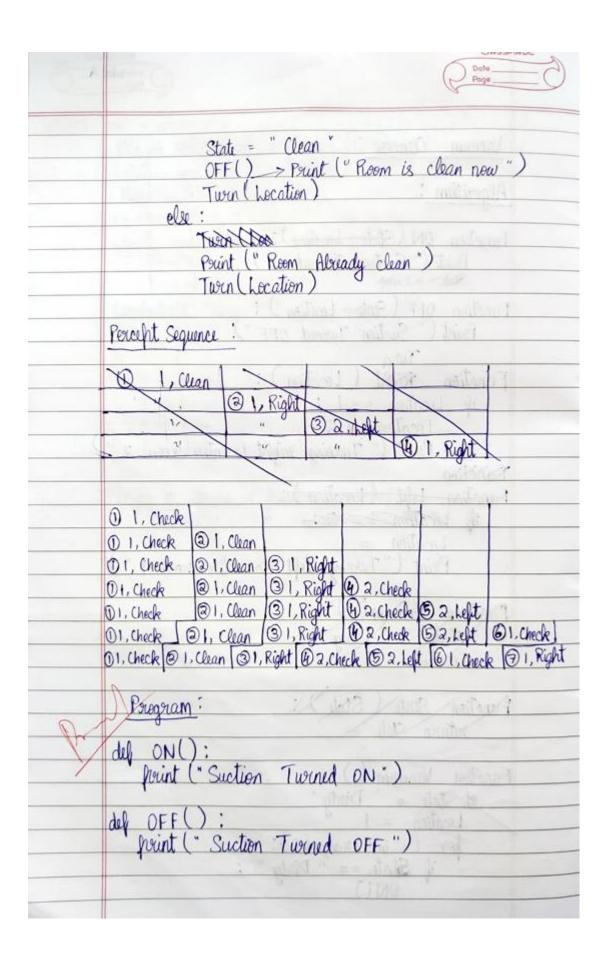
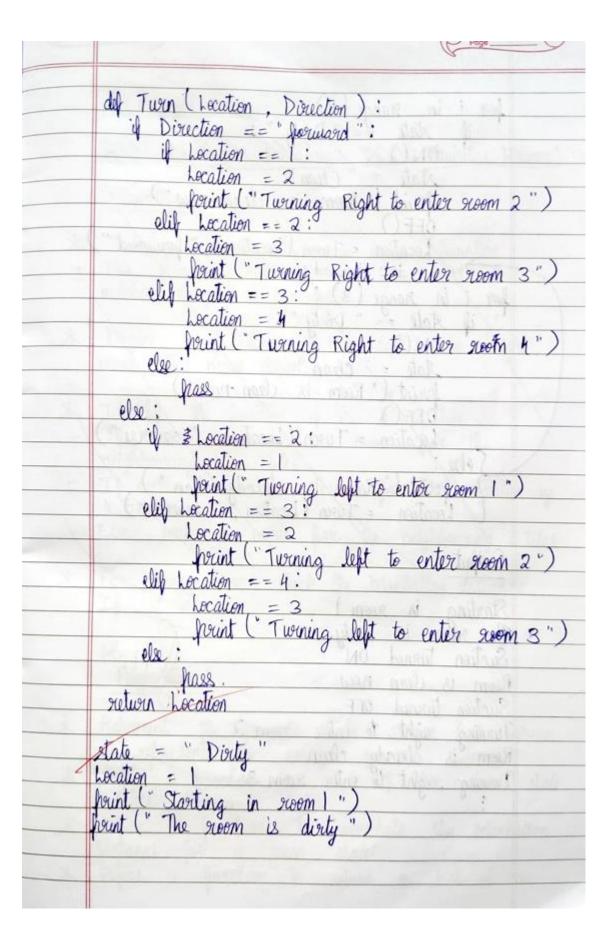
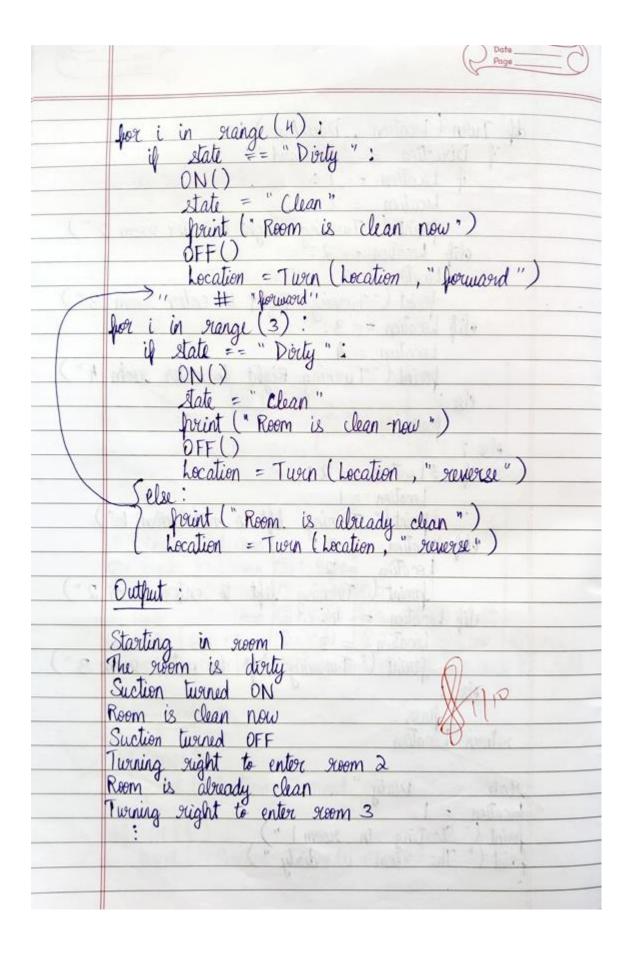
	LAB-2: Vacuum Cleaner
Observation book:	



	Page Date Olito 2
	2 Resonitors - State . Location
	Vacuum Cleaner:
	*Return state
	Algorithm: * Section ON
	* Suction * OFF
	Function ON (State Location): 1 × Know Room
	Brint ("Suction Turned ON")
	Function OFF (State, Location):
	Pount (" Suction Twomed OFF")
	Two
	Function Right (Location):
	W Location == 1: 15 (4)
	Lecation = # 2
	Noticition (" Twening night to enter scoom 2")
	Function Left (Location):
	the theaten = 200;
	Lecation = 1
	Print ("Turning left to enter room 1")
	and and water statem 1 9
	Forction Vacioum V:
2000	e state = "Diorty"
THOM,	Foodlien Vacioum ():  State Dierty "
	Fountion State State 1:
	return state
	: Ovo isk
	Function Vacuum ():
	State = "Directy"  Location = 1
	kecalien = 1
	Hor in Mange (2):
	μος i in stange (2):  if State == "Directly":  ON()
	UN ()







## Output:

```
Enter the number of rows: 2
Enter the number of columns: 2
Enter the number of dirty cells: 2
Enter coordinates for 2 dirty cells (format: row,col row,col ...):
0,0 1,1
Initial grid state:
[1, 0]
[0, 1]
Cleaning position (0, 0)
Position (0, 1) is already clean
Position (1, 0) is already clean
Cleaning position (1, 1)
Final grid state:
[0, 0]
[0, 0]
Nikhilesh 1bm22cs181
```