

2. Design the simplex vacuum cleaner

OUTPUT

```

▶ flag=True
count=1
while flag:
    perc=input("enter the percept")
    loc=input("enter the location")
    if loc=="A":
        if perc=="dirty":
            print("action: suck...turn right")

        else:
            print("action: turn right")

    else:
        if perc=="dirty":
            print("action: suck.....turn left")

        else:
            print("action: turn left")

    print("Do you want to continue?")
    Cont=input("Enter Y or N")
    if Cont == 'Y':
        print("action: suck.....turn left")

        else:
            print("action: turn left")

    print("Do you want to continue?")
    Cont=input("Enter Y or N")
    if Cont == 'Y':
        flag= True
    else :
        flag = False

```

```

enter the percept
enter the locationb
action: turn left
Do you want to continue?
Enter Y or NY
enter the percept
enter the locationA
action: turn right
Do you want to continue?
Enter Y or NN

```