2. Simple Vacuum Cleaner

```
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':

        flag= True

    else :

        flag = False
```

OUTPUT:

Simplevaccumcleaner Draft saved

File Edit View Run Add-ons Help

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```
Enter the percept: dirty
Enter the location: A
action:suck...turn right
Do you want to continue
Enter Y or N: Y
Enter the percept: dirty
Enter the location: B
action:suck...turn left
Do you want to continue
Enter Y or N: Y
Enter the percept: clean
Enter the location: A
action:turn right
Do you want to continue
Enter Y or N: Y
Enter the percept: clean
Enter the location: B
action:turn left
Do you want to continue
Enter Y or N: Y
Enter the percept: dirty
Enter the location: C
Enter either A or B:
Do you want to continue
Enter Y or N: N
```