2. Design the simplex reflex vacuum cleaner

Program

```python
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 : ")
    print()
    if Cont == 'Y':
        flag= True
    else :
        flag = False
```

Output

```
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 : N

>>> |
```