

Program-2:

Design the simplex reflex 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")
        elif perc=="clean":
            print("Action: Turn right")
    elif loc=="B":
        if perc=="dirty":
            print("Action: suck.....Turn left")
        elif perc=="clean":
            print("Action: Turn left")

    else:
        print("Enter either A or B")
        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: 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
```