

```

class AC:
    def power():
        global on,start,temp
        on='off'
        start='stop'
        temp=22
    def status():
        global on,start,temp
        print('___Current status of AC___')
        if on=='on':
            print('AC power\t:',on)
            if start=='start':
                print('AC started\t: Yes')
                print('Temperature\t:',temp)
            else:
                print('AC started\t: no')
        else:
            print('AC was off')
    def condition():
        global on,start
        if on=='on':
            print('AC is on')
            if start=='start':
                print('AC is going on')
            else:
                print('AC is on but not started')
        else:
            print('AC was off')
    def proccess():
        global on,start,temp
        op=input('Do you want to change temperature (enter "yes" or "no") :')
        if op=='yes':
            temp=int(input('Please enter the new temperature in "number"'))
            AC.status()
        op=input('Do you want to stop AC (enter "yes" or "no") :')
        if op=='yes':
            start='stop'
            op=input('Do you want to power off AC (enter "yes" or "no") :')
            if op=='yes':
                on='off'
                print('AC is powered off')
                return
            else:
                op=input('Do you want to restart AC (enter "yes" or "no") :')
                if op=='yes':
                    start='start'
                    AC.operate()
                else:
                    on='off'
                    start='stop'
                    print('AC is stopped and powered off')
            else:
                AC.operate()
    def operate():
        global on,temp,start
        if on!='on':
            on=input('Enter "on" to power on AC :')
            if on=='on':
                print('AC is on')
                if start=='start':
                    AC.status()
            else:
                start=input('Enter "start" to start AC :')
                if start=='start':
                    print('AC started')
                    AC.status()
                    AC.proccess()
                else:
                    print('AC is on but not started')
        else:
            print('Still AC is off')
    else:
        print('AC is on')
        if start=='start':
            AC.status()
            AC.proccess()
        else:
            start=input('Enter "start" to start AC :')
            if start=='start':
                print('AC started')
                AC.status()

```

```
        AC.proccess()  
    else:  
        print('AC is on but not started')  
power()
```

## Result

AC.operate()

```
Enter "on" to power on AC :on  
AC is on  
Enter "start" to start AC :start  
AC started  
__Current status of AC__  
AC power      : on  
AC started    : Yes  
Temperature   : 22  
Do you want to change temperature (enter "yes" or "no") :no  
Do you want to stop AC (enter "yes" or "no") :no  
AC is going on  
AC is on  
__Current status of AC__  
AC power      : on  
AC started    : Yes  
Temperature   : 22  
Do you want to change temperature (enter "yes" or "no") :yes  
Please enter the new temperature in "number"16  
__Current status of AC__  
AC power      : on  
AC started    : Yes  
Temperature   : 16  
Do you want to stop AC (enter "yes" or "no") :yes  
Do you want to power off AC (enter "yes" or "no") :yes  
AC is powered off
```

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