LAB 6

TASK

class TV:

def \_\_init\_\_(self):

self.channel = 1

self.volume = 1

self.on = False

def turnOn(self):

if self.on==False:

self.on = True

def turnOff(self):

if self.on==True:

self.on = False

def getchannel(self):

return self.channel

def setchannel(self, new\_channel):

if isinstance(new\_channel, int) and new\_channel <=120 and new\_channel > 1 and self.on == True:

self.channel = new\_channel

def getvolume(self):

return self.volume

def setvolume(self, new\_volume):

if isinstance(new\_volume, int) and new\_volume >=1 and new\_volume <=7 and self.on == True:

self.volume = new\_volume

def channelup(self):

if self.channel <120 and self.on == True:

self.channel +=1

def channeldown(self):

if self.channel >1 and self.on == True:

self.channel -=1

def volumeup(self):

if self.volume <=7 and self.on == True:

self.volume +=1

def volumedown(self):

if self.volume >1 and self.on == True:

self.volume -=1

def main():

my\_tv = TV()

my\_tv2 = TV()

my\_tv.turnOn()

my\_tv.setchannel(30)

my\_tv.setvolume(3)

print(my\_tv.on, my\_tv.getchannel(), my\_tv.getvolume())

my\_tv2.turnOn()

my\_tv2.channelup()

my\_tv2.channelup()

my\_tv2.volumeup()

print(my\_tv2.on, my\_tv2.getchannel(), my\_tv2.getvolume())

main()