In [11]:
```
import cv2,time
from os import mkdir
# importing modules to add minimize features in app
import win32gui
import win32con

#====================================================================
try:
    mkdir('rissh_footages')
except FileExistsError:
    pass
#=====metod to add minimize feature ============================
def minimizeWindow():
    window = win32gui.GetForegroundWindow()
    win32gui.ShowWindow(window,win32con.SW_MINIMIZE)

#========================= Video Camera=========================
def rissh_cctv():
    rissh_cap = cv2.VideoCapture(0)
    #=======set new resolution of camera
    #video.set(cv2.CAP_PROP_FRAME_WIDTH,320)
    #video.set(cv2.CAP_PROP_FRAME_HEIGHT,240)
    rissh_cap.set(3,640)
    rissh_cap.set(4,480)
    width = rissh_cap.get(3)
    height = rissh_cap.get(4)
    print("Video resolution is set to: ",width,'X',height)
    print("--Help:  1. press esc key to exit cctv\n2. press m to minimize window.")
    #==========
    fourcc = cv2.VideoWriter_fourcc(*'XVID')
    date_time = time.strftime("recording %H-%M -%d %m %y")#set current time as video name
    output = cv2.VideoWriter('footages/'+date_time+'.mp4',fourcc,20.0,(640,480))
    #=====
    while rissh_cap.isOpened():
        check,frame = rissh_cap.read()
        if check == True:
            frame = cv2.flip(frame,1)


            ###================== show time of recording ========
            #t= time.strftime("%H:%M:%S   %d %m %y")
            t = time.ctime()
            cv2.rectangle(frame,(5,5,100,20),(255,255,255),cv2.FILLED)
            cv2.putText(frame,"Camera 1",(20,20),
                        cv2.FONT_HERSHEY_DUPLEX,0.5,(5,5,5),2)
            cv2.putText(frame,t,(420,460),
                        cv2.FONT_HERSHEY_DUPLEX,0.5,(5,5,5),1)


            cv2.imshow('CCTV camera',frame)
            output.write(frame)

            #====== close window when user click esc button
            if cv2.waitKey(1) ==27:
                print("Video footage saved in current directory.\n Be safe & Secure")
                break
            #===== call minimizeWindow method when user press m
            elif cv2.waitKey(1) ==ord('m'):
                minimizeWindow()
        else:
            print("can't open this camera. select other or check its configuration.")
            break
    rissh_cap.release()
    output.release()
    cv2.destroyAllWindows()
```

In [14]:
```
print("*"*80+"\n"+" "*30+"Welcome to CCTV software\n"+"*"*80)
ask = input('do you want to Start cctv ?\n1. Yes\n2. No\n>>> ')
if ask =="Yes" or ask =="yes" or ask ==str(1) :
    rissh_cctv()
elif (ask =="No" or ask == str(2)):
    print("ba bye! be safe & secure!")
    exit
else:
    print("You have selected an incorrect choice")
```

```
********************************************************************************
                              Welcome to CCTV software
********************************************************************************
do you want to Start cctv ?
1. Yes
2. No
>>> 2
ba bye! be safe & secure!
```

In [ ]:
```
```