```
import picamera as piC
import createFolder as cF
import time


def setup():

    camera = piC.PiCamera()
    camera.rotation = 0
    camera.saturation = 0
    camera.contrast = 0
    camera.video_stabilization = False
    camera.resolution = (2592, 400)
    camera.iso = 0
    camera.brightness = 50
    camera.image_effect = 'colorbalance'
    camera.meter_mode = 'average'
    camera.awb_mode = 'auto'
    camera.exposure_compensation = 0
    camera.exposure_mode = 'auto'

    return camera


def shoot(camera, folder_PATH) -> str:
    import time

    time = time.strftime("%Y-%m-%d_%H-%M-%S", time.localtime())  # get the local time

    cF.mkdir(folder_PATH)  # detect the folder path, if doesn't exist, it will be created

    pic_name = "pic_" + time + ".png"  # get the name of the picture, the name contains the time
when it is taken,
                       # picture format is png

    pic_PATH = folder_PATH + pic_name  # combine the pic-name and folder-path to get the pic-path

    camera.capture(pic_PATH)  # take shoot and save pic in the pic-path
    camera.close()  # clear camera

    return pic_PATH


def shoot_auto():
    path = "/home/pi/projectPictures/"
    time = time.strftime("%Y-%m-%d_%H-%M-%S", time.localtime())

    cF.mkdir(path)

    camera = piC.PiCamera()
    camera.capture(path + "pic_" + time + ".jpg")

    camera.close()


def shoot_custom():
    path = "/home/pi/projectPictures/"
    cF.mkdir(path)

    pic_name = input("pictrue's name: ")
    pic_type = input("Picture's format: ")
```

```
    camera = piC.PiCamera()
    camera.capture(path + pic_name + "." + pic_type)

    camera.close()


def main():
    shoot_auto()

    shoot_custom()


if __name__ == "__main__":
    try:
        main()
    except KeyboardInterrupt:
        exit()
```