NAME
    turn_on_off – Turn the ENERGENiE power sockets on or off.

DESCRIPTION
    Synopsis:
        turn_on_off.py socket_no on|off

    Description:
        This program will turn an ENERGENiE power socket on or off. This is
        either for an individual socket or for all sockets. The GPIO
        daughter board that is present can handle up to 4 sockets. It is
        assumed that the sockets are properly set up.

    Arguments:
        socket_no -- Number of the socket (1-4) or 0 for all sockets
        on/off -- On or Off to turn the socket on or off

    Return:
        0 -- Normal exit
        1 -- Error found with the arguments.

    See also:
        dotenv -- dotenv file with the secret information in.
        sysadmin_tasks.sh -- Script that executes this program.
        signage.conf -- Configuration data providing environment variables.
                        Only if program executed by a shell script.

    Version:
        1.0

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FUNCTIONS
    main()
        Main control of the program.

        First check that there are 2 arguments and that argument 1 is
        numeric and the value is from 0 to 4. Check that argument 2 is
        either ON or OFF (any case). Any problems, display an error message
        and exit with status 1.

        Now send the correct command to the socket(s) to turn them on or off
        and exit the program with status 0.

        Arguments:
            None

        Return:
            None