Python Coding Task

Dear Sir or Madame, the following task is given to you and shall be done using a system that is able to run Python 3 may it be ARM, RISC-V or x86/AMD64 based.

We assume that you have installed Python3 with an IDE/Editor of your choice.

For this to be reproducible, document the development software used, any included library and the spec of your OS environment (e.g. Windows / Linux) in a way that the setup could be recreated.

To supply your results please set up a GIT repository on GitHub / GitLab and push your results into the repository. If this is not possible please get in touch with us, so we can arrange another way to exchange your results.

Task description

You may know the song **99 bottles of beer** (https://en.wikipedia.org/wiki/99_Bottles_of_Beer)

The song's lyrics are as follows, beginning with n=99:[4][5]

(n) bottles of beer on the wall.
(n) bottles of beer.
Take one down and pass it arround,
(n−1) bottles of beer on the wall.

It shall end with:

No more bottles of beer on the wall,
no more bottles of beer.

Your task is to implement this on the ARM, RISC-V or x86/AMD64 based system.

- The text shall be printed via a console.
- All inputs, if needed, shall be done via this console.
- If the application is started or running before 4:00PM and after 6:00AM only "No beer before 4pm o'clock," shall be printed with the current local time.
  - Check the above condition periodically and update the text
  - If the above condition is no longer true, continue with the next step
- If the application is started or running at or after 4:00PM and before or at 6:00AM
  - Start with the lyric
  - After every bottle was taken from the wall while n>0 ask the user "Take another one down?"
    - Read the answer using the terminal / console

- - - Allowed answers are "yes", "y", "no", "n"
      - If an unallowed answer is given, repeat the question
  - If there are no more bottles on the wall, n=0, ask the user "Buy some more? Press a button to get some more "
      - If the button is pressed set n back to 99
      - Output the following string "*Go to the store and buy some more, 99 bottles of beer on the wall...*"
      - Restart the lyrics with "Take another one down?" for n>0
- Document your code in a way another developer can understand how the code works