Loop arguments Names: _____

Below is a list of scenarios. For each scenario, please give the first line of the loop you would use to solve the task. Often, we can solve a task using multiple different loop setups. Any valid setup is fine, but in this class you should be able to defend *why* you chose your loop setup.

You do not need to solve the whole problem! Just give the first line of the loop.

Generally, your loops will take one of these three forms:

1. `while <condition>:`
2. `for <var> in <container>:`
3. `for i in range(<something>):`

Scenarios:

1. You need to loop through a list of floats (`discounts`), and print any discounts greater than 0.25 (25% off).

2. You need to loop through a list of floats (`discounts`), and print *the index of* any discounts greater than 0.25 (25% off).

3. You are given an integer (`power`), and you want to print all powers of 2 from 1 to `2**power` (both inclusive).
   For example, power=4 should print 1, 2, 4, 8, 16 because 2**4 = 16 (and 2**0 = 1)

4. You should loop a game until `player.is_alive()` returns False.

5. Given a string (`my_str`), print `"Found a double!"` any time the same character is repeated twice in a row.