1. **Divisible by 3:** Write a for loop that iterates over numbers from 1 to 50 with a step of 3 and prints those numbers that are divisible by 3.
2. **Extract Vowels:** Given the string **phrase = 'Artificial Intelligence is fascinating!'**, write a loop to extract and print only the vowels from the string.
3. **Counting by 2s:** Using a while loop, print numbers from 0 to 20 with a step of 2.
4. **Skipping 7:** Modify the given while loop to skip printing the number 7 and continue with the loop.
5. **Breaking the Loop (Part 2):** Write a while loop that prints numbers from 10 to 0 but breaks out of the loop when the counter reaches 5.
6. **Number Guessing (Part 2):** Implement an enhanced number guessing game using a while loop. Continuously prompt the user to choose a number between 1 and 10 until they choose to exit the game.
7. **Play Again (Part 2):** Modify the previous number guessing game to allow the user to choose whether to play again or exit after each round.
8. **Countdown (Part 2):** Write a while loop to print numbers from 5 to -5 in descending order.
9. **Nested Loop (Part 2):** Write nested loops using while and print combinations of **m** and **n** where **m** ranges from 1 to 3 and **n** ranges from 5 to 7.
10. **Nested Loop with For (Part 2):** Rewrite the previous nested loop using for loops.
11. **List Iteration (Part 2):** Given the lists **cities** and **temperatures**, write a loop to print each element in both lists.
12. **List Manipulation (Part 2):** Remove the last element from the **cities** list and print the updated list in reverse order.