Lab 02 - The Similarity is Uncanny

Instructions:

- The lab requires completing a few tasks.

- Your submissions must be submitted to the GitHub repository in the Lab02 directory.

- Cheating of any kind is prohibited and will not be tolerated.

- Violating and failing to follow any of the rules will result in an automatic zero (0) for the lab.

TO ACKNOWLEDGE THAT YOU HAVE READ AND UNDERSTOOD THE INSTRUCTIONS ABOVE, AT THE BEGINNING OF YOUR SUBMISSION(S), ADD A COMMENT THAT CONSISTS OF YOUR NAME AND THE DATE.

Grading

Task	Maximum Points	Points Earned
1	2.5	
2	2.5	
Total	5	

Note: solutions will be provided for tasks colored blue only.

Your objective is to create a number-guessing game. Your program **must**

1. Select a random integer between 1 and 100 inclusively to be the number.

2. Continually prompt the user to guess the number until the user guesses correctly or runs out of chances (maximum 10).

3. After each incorrect guess state if the user's guess was hot, warm, cold, or freezing which implies the user's guess was in a range of 5, 10, 20, or above 20 from the number, respectively.

4. If the user runs out of chances, state the number.

5. If the user guesses correctly, congratulate the user.

Task 1

Write the above program in C++.

Task 2

Write the above program in Ruby.
Note: Ruby has an `rand()` function as well.

Extra Credit

Modify both programs to provide the option to play again as well as display the previous guesses before prompting the user.