Average Temperature: Vector

Write a program to input temperatures for any number of days and then output to average of the even days. You must:

* Create a vector of doubles called temperatures.
* Use a loop to
  + Prompt the user for temperatures.
  + Add them to the vector.
  + Have some way for the user to indicate when they want to stop entering temperatures.
* Use a second loop to find the sum of the temperatures on even index days (the even index temperatures are 0, 2, 4, 6, etc.).
* Print the average of the even index day temperatures showing only two decimals of precision

**Code guidelines:**

* **Good style:** Use proper indentation, no magic numbers, good naming conventions.
* **Usability:** Always prompt the user for input so they know what to do and provide meaningful output messages.
* **Input Validation:** The program should not accept invalid input, prompt the user to reenter an input that is invalid.
* **Documentation:** Add a comments that document what each part of your code does, at a minimum each function should be clearly documented by describing the expected argument values and what the function returns.
* **Testing:** Make sure your code compiles and works.