Q.: Create a C++ program that performs the following tasks:
1. Generate 10 random numbers and store them in a vector and later send it to a file named "input.txt."
2. Read these numbers from "input.txt" into a vector.
3. Identify the even numbers within the vector and save them in a file named "evens.txt."
4. Identify the odd numbers within the vector and save them in a file named "odds.txt."
5. You should keep all odd and even numbers.
6. Continue this cycle until the user decides to stop the program.
7. After stopping the program, check the sum and average of odd and even numbers.
8. Compare which average is largest.
9. Save both averages in an array.
10. Save both sums in a vector.