Activity No. < 2.2>	
< Hands-on Activity 2.2: Control Structures>	
Course Code: CPE007	**Program:** Computer Engineering
Course Title: Hands-on Activity 2.2: Control Structures	**Date Performed: Aug 11 2025**
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6. Output:
Use the Pseudo Code Given by the example:
Initialize total to zero

Initialize counter to zero

Input the first grade

While the user has not as yet entered the sentinel

Add this grade into the running total

Add one to the grade counter

Input the next grade (possibly the sentinel)

If the counter is not equal to zero

Set the average to the total divided by the counter

Print the average

else

Print "No grades were entered"

And This is my Answer to the Question:

```cpp
 1  #include <iostream>
 2
 3
 4  int main() {
 5      int grade, total = 0, counter = 0;
 6      double average;
 7
 8      //Input the first grade
 9      std::cout << "Enter grade or -1 to quit: ";
10      std::cin >> grade;
11
12      //While the user has not yet entered the sentinel
13      while (grade != -1) {
14          total += grade;       // Add this grade into the running total
15          counter++;            // Add one to the grade counter
16
17              // Input the next grade
18          std::cout << "Enter grade or -1 to quit: ";
19          std::cin >> grade;
20      }
21
22      // If the counter is not equal to zero
23      if (counter != 0) {
24          average = static_cast<double>(total) / counter;  // Compute the average
25          std::cout << "Class average is: " << average << std::endl; // Print the average
26      } else {
27          std::cout << "No grades were entered" << std::endl;      // No grades case
28      }
29
30
31
32
33
34      return 0;
35  }
```

Enter grade or -1 to quit:

7. Supplementary Activity

8. Conclusion: My conclusion about this work is you need research in yt some ideas so can use to apply in the compiler and is kinda fun to work to this stuff and I want to experience more about this compiler and I want to acknowledge my skills.

9. Assessment Rubric