

Q. Ask the user to enter a length in centimeters. Check if the entered length is positive, if no print proper error message otherwise convert it to meters or kilometers based on users choice.

Algorithm:

1. Start
2. Define length as float && choice as integer
3. Take input for length
4. Check if (length > 0) if yes go to **Step 6**
5. Print "Length cannot be negative, Input again" then go to **Step 3**
6. Print "1 for conversion to m and 2 for km" and Take input for choice
7. Check if (choice == 1 || choice == 2) if Yes go to **Step 9**
8. Print "please select valid choice option" and go to **Step 6**
9. Check if (choice == 1) if no go to **Step 12**
10. length = length \* 100
11. Print {length} "is in meter" and go to **Step 14**
12. length = length \* 1000
13. Print {length} "is in kilometer"
14. Stop

