**FLOWCHART**

1. Start ( Oval )
2. Define MAXWORDLENGTH , MAXWORDS ; ( Rectangle )
3. Declare variables ; ( Rectangle )
4. Initialize words\_lengths to 0 ; ( Rectangle )
5. Set word\_length = 0 , word\_count = 0 ; ( Rectangle )

* Increament word\_length ; ( Rectangle )

1. Read character using getchar() ; ( Paralellogram )
2. Character == EOF? ; ( Diamond )
3. Is character space , newline or tab? ; ( Diamond )
4. Word\_length = 0 ? ; ( Diamond )
5. Store word\_length in array ; ( Rectangle )
6. Post loop: is word\_length > 0 && word\_count < MAXWORDS ( Diamond)
7. Store word\_length and Increament word\_count ; ( Rectangle )
8. Calculate total\_position ; ( Parallelogram )
9. Nested loop to print histogram ; ( Rectangle )
10. End ( Oval )