In The Name of God

(Problem set 1 )

# Please solve each problem till next week and ask your graders if you had any questions .

1 - Write a program that prints its input one word per line.( without using any arrays )

2 - Write a program that gets inputs till the user presses “ctrl + z” and then calculates the average of the entered numbers ( without using Arrays ).

Ex :

5

10

99

3

output : 29.25

3 - find any errors that might cause you problem and fix them as you go .

(remember that C is a case sensitive language ).

#include stdio.h

int main {

Int i = 0 ;

Int counter ;

while ( c = getchar() != EOF ){

if ( c = ' ' || c = '\n' ) {

Counter = Counter + 1 ;

}

i = i + 1 ;

}

printf(counter)

If ( 0< i < 100 ) {

printf(“ We took %d characters as input : “ , i )

}

}

4 - Write a program to calculate the nth Fibonacci number ( you have to use loops for this question . you are not allowed to code it recursively )

5 - Write a program to print Celsius to Fahrenheit for temperatures between 0 C to 200 C .( Cel = (5/9)\*(fahr - 32 )