In The Name Of God

(Quiz 1 )

1 - write a program that gets integer inputs untill the user enters “ ctrl + z “ and then returns the Max of them and calculates the Average . At last prints them both .

#You can use printf() .

#You can only use getchar() to get input .

#You are not allowed to use arrays.

Ex :

Please Enter your numbers :

10

20

300

100

Output >> Max = 300 | Avg : 107.50

Answer :

int main(){

int c , number , max , counter ;

float sum = 0 ;

c = number = max = counter = 0 ;

printf("Please Enter Your Numbers : \n");

while ( c != EOF ){

number = 0 ;

while ( (c = getchar() ) != '\n' && c != EOF){

number = number \* 10 + c -'0' ;

}

sum += number ;

counter++ ;

// if the user enters ctrl+z , this counter would be increased by one , too .

if( number >= max){

max = number ;

}

}

counter-- ;

// in order to ignore ctrl+z from being counted ;

printf("\nMax : %d | Average : %0.2f \n" , max , sum/counter) ;

return 0 ;

}