3. TO IGNORE REDUNDANT SPACES, TABS AND COMMENTS

CODE:

#include<stdio.h>

#include<ctype.h>

int main(void){

char str[1000];

int x,lowerCase,upperCase,digit,specialCharacter,total;

printf("Enter a string: ");

gets(str);

x = lowerCase = upperCase = digit = specialCharacter = total =0;

for(;str[x]!='\0';x++){

if(str[x] >= 'A' && str[x] <='Z') upperCase++;

else if(str[x] >= 'a' && str[x] <='z') lowerCase++;

else if(str[x] >= '0' && str[x] <='9') digit++;

else if(str[x] == '\n' || str[x] == '\t' || str[x] == ' '){}

else specialCharacter++;

}

total = lowerCase + upperCase + digit + specialCharacter;

printf("lowercase= %d , uppercase=%d , digit=%d , special=%d \n", lowerCase,upperCase,digit,specialCharacter );

printf("%d",total);

return 0;

}

OUTPUT:

Enter a string: RISHIKA IS PRESENT FOR TODAY'S CLASS

lowercase= 0 , uppercase=30 , digit=0 , special=1

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Process exited after 10.94 seconds with return value 0

Press any key to continue . . .

