**Practical 1**

**Definition:** Write a program to count words from a paragraph. (using simple string array and pointer both)

**Code: (Simple string array)**

#include<stdio.h>

#include<conio.h>

void main(){

char s1[50];

int i=0,space=0,words=0,l=0,charac=0;

clrscr();

printf("\nWrite your Paragraph till $ : ");

scanf(" %[^$]s",s1);

printf("\nEntered paragraph is : ") ;

puts(s1);

for(i=0;s1[i]!='\0';i++){

l++;

if(s1[i]==' ')

space++;

}

printf("\n length==%d",l);

charac=l-space;

printf("\n No of characters are=%d",charac);

words=space+1;

printf("\n No of words are=%d",words);

getch();

}

/\*

Output

Write your Paragraph till $ : hello this is the new world$

Entered paragraph is : hello this is the new world

length==27

No of characters are=22

No of words are=6

\*/

**Practical-1.2**

**Code: (Pointer)**

#include<stdio.h>

#include<conio.h>

void main(){

char \*s1, \*s2;

int space=0,words=0,l=0,charac=0;

clrscr();

printf("\nWrite your Paragraph : ");

gets(s2);

puts(s2);

s1=s2;

for(;\*s2!=NULL;s2++){

if(\*s2==' ')

space++;

}

l=s2-s1;

printf("\n len==%d",l);

charac=l-space;

printf("\n No of chars are=%d",charac);

words=space+1;

printf("\n No of words are=%d",words);

getch();

}

/\*

Output

Write your Paragraph : hello this is the new world

hello this is the new world

len==27

No of chars are=22

No of words are=6

\*/