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++){
               |++;
               if(s1[i]==' ')
               space++;
       printf("\n length==%d",I);
       charac=I-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++;
              }
       I=s2-s1;
       printf("\n len==%d",I);
       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
*/
```