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)
```c
#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
*/
```