4) Count the indivitual chars and spaces, identifies

which count is maximum and remove that max counted

chars from the current String.

Input : abc Abc aaC

Output :

Number of count 'A' : 1

Number of count 'C' : 1

Number of count 'a' : 3

Number of count 'b' : 2

Number of count 'c' : 2

Number of count ' ' : 2

After reomvin Character :

bc Abc C

#include<stdio.h>

#include<string.h>

void rev(char str[25],int l,int n)

{

// static j=0;

char temp[10];

int c=0;

if(str[l]=='\0')

return;

while(str[l]!=' ')

{

if(str[l]=='\0')

break;

temp[c++]=str[l++];

}

temp[c]='\0';

if(str[l]!='\0')

l++;

rev(str,l,n);

printf("%s ",temp);

}

int main()

{

char str[]={"first second third fourth"};

int i,n=strlen(str);

rev(str,0,n);

return 0;

}

3) Display given String into Following Format

Input : First Second Third Fourth

Output : Fourth Third Second First

Using Recursion

#include<stdio.h>

#include<string.h>

void main()

{

char str[]={"abc Abc aaC"};

char c,t;

int n=strlen(str);

static int v[25];

int i=0,a,c1=1,c2=1,j;

clrscr();

for(i=0;i<n;i++)

{

a=str[i];

//c1=0;

if(v[i]!=1)

{

if((a>=65 && a<=90)||(a>=97 && a<=122) || (str[i]==' '))

{

for(j=i+1;j<n;j++)

{

if(str[i]==str[j] && v[j]!=1)

{

if(v[i]!=0)

{

v[i]=1;

c1++;

}

v[j]=1;

c1++;

}

}

printf("\nNumber of %c : %d",str[i],c1);

if(c1>c2)

{

c2=c1;

c=str[i];

}

c1=1;

}

}

}

printf("\n%c",c);

t=0;

for(i=0;i<n;i++)

{

if(str[i]==c)

{

if(str[i+1]!=c)

str[t++]=str[i+1];

i++;

}

else

{

str[t++]=str[i];

}

}

str[t]='\0';

printf("\n%s",str);

getch();

}

2) The array containing both positive and negative elments,

Display Maximum sum of consequent positive elements

Input : {-1,11,15,-10,30}

Output :

Max Sum : 30

Elements : {30}

Input : {25,-11,28,15,-10,30,11}

Output :

Max Sum : 43

Elements : {28,15}

using only one temporary 1D array to store output.

#include<stdio.h>

#include<conio.h>

void main()

{

int num[]={-11,11,52,-1,30,11};

int n=6,c=0,c1=0,res[10],r1=0,r2=0;

int temp[10],j,i,t;

clrscr();

for(i=0;i<n;i++)

{

t=num[i];

if(t>0)

{

while(num[i]>0)

{

temp[c++]=num[i];

t=num[i];

i=i+1;

if(i>n)

{

c--;

break;

}

r1=r1+t;

}

i--;

}

if(r1>r2)

{

r2=r1;

c1=c;

for(j=0;j<c1;j++)

res[j]=temp[j];

}

c=0;

r1=0;

}

printf("\nResult :\n");

for(i=0;i<c1;i++)

printf("%d ",res[i]);

printf("\n Max Sum :%d",r2);

getch();

}

1) Display Anagrams

Input :{tar,rat,banana,art,nabana,baby}

Output :

anagrams :{tar,rat,art} {banana,nabana}

others :{baby}

#include<stdio.h>

#include<conio.h>

#include<string.h>

void sort(char str1[10])

{

int i,j,n;

char t;

n=strlen(str1);

for(i=0;i<n-1;i++)

{

for(j=i+1;j<n;j++)

{

if(str1[i]>str1[j])

{

t=str1[i];

str1[i]=str1[j];

str1[j]=t;

}

}

}

}

int compare(char a[10],char b[10])

{

int n=strlen(a);

n=n-1;

while(n>=0)

{

if(a[n]!=b[n])

break;

n--;

}

if(n<0)

return 1;

else

return 0;

}

void main()

{

char str[][10]={"bar","rab","banana","abr","nanaba","baby","ybba"};

static int v[50];

char temp1[10],temp2[10],str1[10][10];

int n=7,i,j,c=0;;

clrscr();

// printf("Anagrams :");

for(i=0;i<n-1;i++)

{

strcpy(temp1,str[i]);

sort(temp1);

for(j=i+1;j<n;j++)

{

if(v[j]!=1)

{

strcpy(temp2,str[j]);

if(strlen(temp1)==strlen(str[j]))

{

sort(temp2);

if(compare(temp1,temp2))

{

if(v[i]!=1)

{

v[i]=1;

strcpy(str1[c++],str[i]);

// printf("\n%s",str[i]);

}

strcpy(str1[c++],str[j]);

// printf("\n%s",str[j]);

v[j]=1;

}

}

}

}

}

printf("\n\nAnagrams :\n");

for(i=0;i<c;i++)

{

printf("\n%s",str1[i]);

}

printf("\nOthers :\n");

for(i=0;i<n;i++)

{

if(v[i]==0)

{

printf("\n%s",str[i]);

}

}

getch();

}