//Capitalized the first character of each word

#include<stdio.h>

#include<string.h>

void capitalWords(char\* str)

{

int capital=1;

while(\*str)

{

if((\*str>='a'&& \*str<='z') || (\*str>='A'&& \*str<='Z'))

{

if(capital)

{

if(\*str>='a' && \*str<='z')

{

\*str-=('a'-'A'); //Convert to uppercase

}

}

capital=0; //Reset after capitalized

}

else

{

capital=1; //If space found

}

str++;

}

}

void main()

{

char str[500];

printf("Enter the string:");

fgets(str,sizeof(str),stdin);

str[strcspn(str,”\n”)]=’\0;

capitalWords(str);

printf("Modified sentence: %s",str);

}

OR

#include<stdio.h>

#include<string.h>

void firstcap(char\* str)

{

int i=0;

while(str[i]!='\0')

{

if(i==0 || str[i-1]==' '&& str[i]!=' ')

{

if(str[i]>='a'&&str[i]<='z')

{

str[i]=str[i]-('a'-'A');

}

}

i++;

}

}

// Remove same characters from string

#include <stdio.h>

#include<string.h>

void main()

{

char str[100];

int i,j;

printf("Enter string:");

fgets(str,sizeof(str),stdin);

int len=strlen(str);

for(i=0,j=0;str[i]!='\0';i++)

{

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

{

do

{

i++;

}while(str[i]==str[i+1]);

}

else

{

str[j]=str[i];

j++;

}

}

str[j]='\0';

printf("Modified string: %s",str);

}

// Remove two consecutive character from the given string and count the iteration and count

#include <stdio.h>

#include<string.h>

void main()

{

char str[100];

int i,j,count=0;

printf("Enter string:");

fgets(str,sizeof(str),stdin);

int len=strlen(str);

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

{

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

{

if((str[i]>='a'&& str[i]<='z')||(str[i]>='A' && str[i]<='Z'))

if(str[i+1]-str[i]==1)

{

do

{

i++;

}while(str[i+1]-str[i]==1);

count++;

}

else

{

str[j]=str[i];

j++;

}

}

str[j]='\0';

}

printf("Count: %d",count);

}

void main()

{

char str[500];

printf("Enter the string:");

fgets(str,sizeof(str),stdin);

str[strcspn(str,"\n")]='\0';

firstcap(str);

printf("Modified string: %s", str);

}

//Delete the substring from main string

#include<stdio.h>

#include<string.h>

int main()

{

int i, j = 0, k = 0,n = 0;

int flag = 0;

char str[100], neww[100], word[100];

printf("Enter Any String to Remove a Word from String: ");

gets(str);

printf("\n\n Enter Any Word You Want to be Removed: ");

gets(word);

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

{

k = i;

while(str[i] == word[j])

{

i++,j++;

if(j == strlen(word))

{

if(str[i]==’ ‘ && (str[k-1]==’ ‘||str[k-1]==’\0’))

{

flag = 1;

break;

}

}

}

j = 0;

if(flag == 0)

i = k;

else

flag = 0;

neww[n++] = str[i];

}

neww[n] = '\0';

printf("\n\n After Removing Word From String: %s",neww);

}

OR

#include <stdio.h>

#include<string.h>

int main()

{

char str1[100], str2[100],new[100];

int i,j=0,len1,len2,k=0;

printf("Enter the first string:");

fgets(str1,sizeof(str1),stdin);

str1[strcspn(str1,"\n")]='\0';

printf("Enter the string:");

fgets(str2,sizeof(str2),stdin);

str2[strcspn(str2,"\n")]='\0';

len1=strlen(str1);

len2=strlen(str2);

while(str1[i]!='\0')

{

while(str2[j]!='\0')

{

if(str1[i]!=str2[j])

{

new[k]=str1[i];

k++;

i++;

}

else

{

i++;

j++;

}

}

new[k]=str1[i];

k++;

i++;

}

new[k]='\0';

printf("Updated string: %s",new);

return 0;

}

//strspan

#include<stdio.h>

#include<string.h>

int Stringspn(char\* str1, char\* str2)

{

int i=0,j,count=0;

while(str1[i]!='\0')

{

j=0;

while(str2[j]!='\0')

{

if(str1[i]==str2[j])

{

count++;

break;

}

j++;

}

if(str2[j]=='\0')

{

break;

}

i++;

}

return count;

}

int main(){

char str1[50];

char str2[30];

int i,j,count=0;

printf("enter the string 1:");

fgets(str1,sizeof(str1),stdin);

printf("enter the string 2:");

fgets(str2,sizeof(str2),stdin);

int res=Stringspn(str1,str2);

printf("Count= %d",res);

return 0;

}

//Squeeze

// Target character remove from main string

#include <stdio.h>

#include<string.h>

void squuze(char\* str, char target)

{

int len=strlen(str);

int i, j=0;

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

{

if(str[i]!=target)

{

str[j]=str[i];

j++;

}

}

str[j]='\0';

}

int main() {

char str[100], target;

printf("Enter the string:");

fgets(str,sizeof(str),stdin);

str[strcspn(str,"\n")]='\0';

printf("Enter target character:");

scanf("%c",&target);

squuze(str,target);

printf("String is: %s", str);

return 0;

}

//Remove duplicates from string

// Online C compiler to run C program online

#include <stdio.h>

#include<string.h>

char\* duplicate(char\* str)

{

int len=strlen(str);

int i, j=0,count=0,k;

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

{

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

{

if(str[i]==str[j])

break;

}

if(j==i)

str[k++]=str[i];

}

str[k]='\0';

return str;

}

int main() {

char str[100], target;

printf("Enter the string:");

fgets(str,sizeof(str),stdin);

str[strcspn(str,"\n")]='\0';

printf("%s", duplicate(str));

return 0;

}

// Last word

#include <stdio.h>

#include<string.h>

int main() {

char str[100], target;

printf("Enter the string:");

fgets(str,sizeof(str),stdin);

str[strcspn(str,"\n")]='\0';

int i=strlen(str);

while(i>=0 && str[i]!=' ')

{

i--;

}

printf("Last word: %s", str+i+1);

return 0;

}

//Reverse even length word from string

#include <stdio.h>

#include<string.h>

int main() {

char str[100], start,end;

printf("Enter the string:");

fgets(str,sizeof(str),stdin);

str[strcspn(str,"\n")]='\0';

int i,len1=strlen(str);

for(i=0;i<len1;i++)

{

if(str[i]!=' ')

{

start=i;

while(i<len1 && str[i]!=' ')

{

i++;

}

end=i-1;

if((end-start+1)%2==0)

{

while(start<end)

{

char temp=str[start];

str[start]=str[end];

str[end]=temp;

start++;

end--;

}

}

}

}

printf("Modified string: %s",str);

}

// Date comparison

#include <stdio.h>

struct Date{

int day;

int month;

int year;

};

int compareDates(struct Date date1, struct Date date2)

{

if(date1.year<date2.year)

{

return -1;

}

else if(date1.year>date2.year)

{

return 1;

}

else{

if(date1.month<date2.month)

{

return -1;

}

else if(date1.month>date2.month)

{

return 1;

}

else

{

if(date1.day<date2.day)

{

return -1;

}

else if(date1.day>date2.day)

{

return 1;

}

else

{

return 0;

}

}

}

}

int main()

{

int n,res[n],i;

printf("Enter the number of number:");

scanf("%d",&n);

struct Date date1,date2;

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

{

printf("Enter the first date (day month year):");

scanf("%d%d%d",&date1.day,&date1.month,&date1.year);

printf("Enter the second date (day month year):");

scanf("%d%d%d",&date2.day,&date2.month,&date2.year);

res[i]=compareDates(date1,date2);

}

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

{

if(res[i]>0)

{

printf("Date 1 is later than Date 2");

}

else if(res[i]<0)

{

printf("\n Date 1 is earlier than Date 2");

}

else

{

printf("Date 1 is equal to Date 2");

}

}

return 0;

}