//Pallindrome

#include <stdio.h>

void main()

{

char str[50];

int i,len=0,flag;

printf("Enter string:");

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

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

{

i++;

len++;

}

for(i=0;i<len/2;i++)

{

if(str[i]!=str[len-1-i])

{

flag=1;

break;

}

}

if(flag==0)

{

printf("String is pallindrome");

}

else

{

printf("String is not pallindrome");

}

}

// Tokenized string and count words

#include <stdio.h>

#include<string.h>

int main()

{

char str[50];

printf("Enter the string:");

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

int count=0;

char\* token=strtok(str," ");

while(token!=NULL)

{

count++;

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

token=strtok(NULL," ");

}

printf("Words Count: %d\n",count);

}

// Index of is and a

#include <stdio.h>

#include<string.h>

void main()

{

char str[50];

int i,j,index,flag=0;

printf("Enter string:");

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

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

{

while((str[i-1]==' ')&&(str[i]=='i' || str[i]=='I') && (str[i+1]=='s' || str[i+1]=='S') && (str[i+2]==' '))

{

printf("Is/is index: %d\t", i);

flag=1;

i++;

}

while((str[i-1]==' ') && (str[i]=='a' || str[i]=='A') && str[i+1]==' ')

{

printf("A/a index: %d\t",i);

flag=1;

i++;

}

i++;

}

if(flag==0)

{

printf("-1");

}

}

// Insert new string into existing string at given position

#include <stdio.h>

#include<string.h>

int main()

{

char str1[50];

char str2[50];

int pos,i,j,k=0,l;

printf("Enter the first string:");

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

printf("Enter the second string:");

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

printf("Enter position:");

scanf("%d",&pos);

int len1=strlen(str1);

int len2=strlen(str2);

int len=len1+len2;

for(i=len-1;i>=pos-1;i--)

{

str1[i+len2-1]=str1[i];

}

//int k=0;

for(j=pos-1;j<len2;j++)

{

str1[j]=str2[k];

k++;

}

printf("%s",str1);

}

#include <stdio.h>

#include<string.h>

int cal(char []);

void main()

{

char str[50];

int index;

printf("Enter string:");

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

index=cal(str);

}

int cal(char str[])

{

int i,j;

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

{

while((str[i-1]==' ') && (str[i]=='i' || str[i]=='I') && (str[i+1]=='s' || str[i+1]=='S') && (str[i+2]==' '))

{

return i;

i++;

}

while((str[i-1]==' ') && (str[i]=='a' || str[i]=='A') && str[i+1]==' ')

{

return i;

i++;

}

i++;

}

}

///////

#include <stdio.h>

#include<string.h>

int cal(char []);

int cal1(char []);

void main()

{

char str[50];

int index,index1;

printf("Enter string:");

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

index=cal(str);

printf("Is/Is: %d",index);

index1=cal1(str);

printf("\nA/a: %d",index1);

}

int cal(char str[])

{

int i,flag=0;

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

{

if((str[i-1]==' ') && (str[i]=='i' || str[i]=='I') && (str[i+1]=='s' || str[i+1]=='S') && (str[i+2]==' '))

{

return i;

flag=1;

}

i++;

}

if(flag==0)

{

return -1;

}

}

int cal1(char str[])

{

int i,flag=0;

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

{

if((str[i-1]==' ') && (str[i]=='a' || str[i]=='A') && (str[i+1]==' '|| str[i+1]=='\0'))

{

return i;

flag=1;

}

i++;

}

if(flag==0)

{

return -1;

}

}

#include <stdio.h>

#include<string.h>

int cal(char []);

int cal1(char []);

void main()

{

char str[50];

int index,index1;

printf("Enter string:");

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

index=cal(str);

printf("Is/Is: %d",index);

index1=cal1(str);

printf("\nA/a: %d",index1);

}

int cal(char str1[])

{

int i,flag=0;

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

{

if(i==0)

{

if((str1[i]=='i' || str1[i]=='I') && (str1[i+1]=='s' || str1[i+1]=='S') && (str1[i+2]==' '|| str1[i+2]=='\0'))

{

flag=1;

break;

}

}

else

{

if((str1[i-1]==' ') && (str1[i]=='i' || str1[i]=='I') && (str1[i+1]=='s' || str1[i+1]=='S') && (str1[i+2]==' ' ||str1[i+2]=='\0'))

{

flag=1;

break;

}

}

i++;

}

if(flag==0)

{

return -1;

}

else{

return i;

}

}

int cal1(char str2[])

{

int len=strlen(str2);;

int i,flag=0;

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

{

if(i==0)

{

if((str2[i]=='a' || str2[i]=='A') && (str2[i+1]==' '|| str2[i+1]=='\0'))

{

flag=1;

break;

}

if((str2[i-1]==' ') && (str2[i]=='a' || str2[i]=='A') && (str2[i+1]==' '|| str2[i+1]=='\0'))

{

flag=1;

break;

}

}

if(flag==0)

{

return -1;

}

else{

return i;

}

}

}

///////////////////////////////

// Online C compiler to run C program online

#include <stdio.h>

#include<string.h>

int main()

{

char str[50];

int i,j,lside,rside,par=0,len;

printf("Enter the string:");

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

len=strlen(str);

for(i=0;i<len-2;i++)

{

lside=0;

rside=0;

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

{

if(str[j]>='A' || str[j]<='Z')

{

lside++;

}

}

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

{

if(str[j]>='A' || str[j]<='Z')

{

rside++;

}

}

if(lside>rside)

{

par++;

}

}

printf("Partitions: %d", par);

}

//Insert string in main string

#include <stdio.h>

#include<string.h>

int main()

{

char str1[50];

char str2[50];

int pos,i,j,k=0,l;

printf("Enter the first string:");

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

printf("Enter the second string:");

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

printf("Enter position:");

scanf("%d",&pos);

int len1=strlen(str1);

int len2=strlen(str2);

int len=len1+len2;

for(i=len-1;i>=pos-1;i--)

{

str1[i+len2-1]=str1[i];

}

//int k=0;

for(j=pos-1;j<len2;j++)

{

str1[j]=str2[k];

k++;

}

printf("%s",str1);

}