1)Accept string from user and calculate no of vowels in given string.

using System;

class HelloWorld {

static void Main() {

int i,cnt=0;

char ch;

Console.WriteLine("Enter string");

string s1 = Console.ReadLine();

Console.WriteLine("string a={0}",s1);

for(i=0;i<s1.Length;i++){

ch=s1[i];

if(ch=='a'|| ch=='A'||ch=='e'||ch=='E'||ch=='o'|| ch=='o'|| ch=='u'||ch=='U')

cnt++;

}

Console.WriteLine("No of vowel are: " +cnt);

}

}

2)print all character from given string

using System;

class HelloWorld {

static void Main() {

int i;

char ch;

Console.WriteLine("Enter string");

string s1 = Console.ReadLine();

Console.WriteLine("string a={0}",s1);

for(i=0;i<s1.Length;i++){

ch=s1[i];

Console.WriteLine(ch);

}

}

}

3)print all even positin character from given string

using System;

class HelloWorld {

static void Main() {

int i;

char ch;

Console.WriteLine("Enter string");

string s1 = Console.ReadLine();

Console.WriteLine("string a={0}",s1);

for(i=1;i<s1.Length;i=i+2){

ch=s1[i];

Console.WriteLine(ch);

}

}

}

4)count total no of digits from given string

using System;

class HelloWorld {

static void Main() {

int i,count=0;

char ch;

Console.WriteLine("Enter string");

string s1 = Console.ReadLine();

Console.WriteLine("string a={0}",s1);

for(i=0;i<s1.Length;i++){

ch=s1[i];

if(ch >='0' && ch <='9'){

count++;

}

}

Console.WriteLine("No of digit are: " +count);

}

}

5)Convert lowercase character into uppercase and viceversa

using System;

class HelloWorld {

static void Main() {

int i,cnt=0;

char ch;

Console.WriteLine("Enter string");

string s1 = Console.ReadLine();

for(i=0;i<s1.Length;i++){

ch=s1[i];

if(ch >='A' && ch <='Z'){

ch=(char) (ch+32);

Console.WriteLine("{0}",ch);

}

else if(ch >='a' && ch <='z')

{

ch=(char) (ch-32);

Console.WriteLine("{0}",ch);

}

else{

Console.WriteLine("{0}",ch);

}

}

}

}

6)Accept email from uer check whether it is valid or not.

using System;

class HelloWorld {

static void Main() {

int i,count=0,count1=0;

char ch;

Console.WriteLine("Enter string");

string s1 = Console.ReadLine();

for(i=0;i<s1.Length;i++)

{

ch=s1[i];

if(ch=='.')

{

count++;

}

else if(ch=='@')

{

count1++;

}

}

if((count==1|| count==2)&&(count1==1))

{

Console.WriteLine("valid email");

}

else

{

Console.WriteLine("Invalid email");

}

}

}

7) program to count no of small alphabtes,captital,digit and special characters.

using System;

class HelloWorld {

static void Main() {

int i,cntC=0,cntS=0,cntD=0,cntSp=0;

char ch;

Console.WriteLine("Enter string");

string s1 = Console.ReadLine();

for(i=0;i<s1.Length;i++){

ch=s1[i];

if(ch >='A' && ch <='Z'){

cntC++;

}

else if(ch >='a' && ch <= 'z'){

cntS++;

}

else if(ch >= '0' && ch <= '9'){

cntD++;

}

else{

cntSp++;

}

}

Console.WriteLine("Capital: "+cntC+"\nSmall: "+cntS+"\nDigit:"+cntD+"\nSpecial char: "+cntSp);

}

}

8)program for replace space with \*.

#string Compare()

9)String Compare method

// Online C# Editor for free

// Write, Edit and Run your C# code using C# Online Compiler

using System;

public class HelloWorld

{

public static void Main(string[] args)

{

string s1 ="hello";

string s2 ="hello";

string s3 ="csharap";

string s4 ="mello";

Console.WriteLine(string.Compare(s1,s2));

Console.WriteLine(string.Compare(s2,s3));

Console.WriteLine(string.Compare(s3,s4));

}

}

10)

using System;

class HelloWorld {

static void Main() {

Console.WriteLine("Enter string");

string s1 = Console.ReadLine();

string s2 = Console.ReadLine();

if(string.Compare(s1,s2)==0){

Console.WriteLine("Both are equal");

}

else if(string.Compare(s1,s2)>0)

Console.WriteLine(" s1 grater" );

else

Console.WriteLine("s2 is grater");

}

}

11)Accept user name and password from user and check whether valid or not. Also check validations.

using System;

class HelloWorld {

static void Main() {

Console.WriteLine("Enter user name:");

string s1 = Console.ReadLine();

Console.WriteLine("Enter password:");

string s2 = Console.ReadLine();

if(string.Compare(s1," ")==0){

Console.WriteLine("user name :");

}

else if(string.Compare(s2, " ")==0){

Console.WriteLine(" password " );

}

else if(string.Compare(s1,"admin")==0 && string.Compare(s2,"1234")==0){

Console.WriteLine("login complet");

}

else{

Console.WriteLine("failed");

}

}

}

#String Concat()

12)Accept 2 string from user if s1 > s2 then s2 is concatenate at end of s1 and if s2>s1 is concatenate at the end s2

using System;

class HelloWorld {

static void Main() {

Console.WriteLine("Enter first string:");

string s1 = Console.ReadLine();

Console.WriteLine("Enter second string:");

string s2 = Console.ReadLine();

if(string.Compare(s1,s2)==0){

Console.WriteLine("Both are equal");

}

else if(string.Compare(s1,s2)>0){

Console.WriteLine(string.Compare(s1,s2));

Console.WriteLine("s1 is grater");

}

else{

Console.WriteLine(string.Compare(s2,s1));

Console.WriteLine("s2 are grater");

}

}

}

13)

using System;

class HelloWorld {

static void Main() {

Console.WriteLine("Enter string:");

string s1 = Console.ReadLine();

if ((s1.StartsWith("http://www.") || s1.StartsWith("https://www.")) &&

(s1.EndsWith(".com") || s1.EndsWith(".in")|| s1.EndsWith(".edu")||s1.EndsWith(".aug")|| s1.EndsWith(".gov"))) {

Console.WriteLine("valid");

} else {

Console.WriteLine("invalid");

}

}

}

14)calculate length of string without using standard method string ends with -1 character

using System;

public class HelloWorld

{

public static void Main(string[] args)

{

int x=0;

string ValString;

Console.WriteLine("Enter Your Stirng:");

ValString = Console.ReadLine();

foreach(char c in ValString){

x++;

}

Console.WriteLine("\n Length of String:{0}",x);

}

}

15)

using System;

class HelloWorld {

static void Main() {

Console.WriteLine("Enter string:");

string input = Console.ReadLine();

string[] parts = input.Split(' ');

if (parts.Length < 3)

{

Console.WriteLine("Invalid input.");

return;

}

string firstName = string.Concat(parts[0][0], " ");

string secondName = string.Concat(parts[1][0], " ");

string lastName = parts[2];

string output = string.Concat(firstName, " ", secondName, " ", lastName);

Console.WriteLine(output);

}

}