1. Check whether the strings are reversible of each other or not.

Solution:

Console.WriteLine("Enter the First String");  
string s1=Console.ReadLine();

Console.WriteLine("Enter the Second string");  
string s2=Console.ReadLine();

if(s1.Length() != s2.Length)  
{  
Console.WriteLine("The strings are not reversible of each other since the length is not same");  
}

for(int i=0;i<s1.Length;i++){  
    for(int j=s2.length;j>0;j--){  
        if(s1[i]!=s2[j])  
            {  
                Console.WriteLine("The String are not reversible ");  
                return;  
            }  
        else  
        Console.WriteLine("The string are Reversible");

2. Find the smallest sum of consecutive numbers in a given array.

Solution:

Console.WriteLine("Enter the size of the array");  
int size=Console.ReadLine();

int[] arr= new int[size];  
Console.WriteLine("Enter the elemnets of the array");  
for(int i=0;i<size;i++)  
{  
    arr[i]=int.Parse(Console.ReadLine());  
}

int min\_sum=int.MaxValue;  
for(int j=0;j<size;j++)  
{  
    int sum=0;  
    for(int k=0;k<size;k++)  
    {  
        sum+=arr[k];  
        if(sum<min\_sum){  
            min\_sum=sum;  
        }  
    }  
}

3.Find the power without math.pow function

Solution:

Console.WriteLine("Enter the Base value");  
int b= int.Parse(Console.ReadLine());

Console.WriteLine("Enter the Power value");  
int p= int.Parse(Console.ReadLine());  
double res=1;

for(int i=1;i<p;i++)  
    {  
        res\*=b;  
    }  
Console.WriteLine(b+" raised to the power of "+p+ "is "+ res);

4.Find the negative Power without using math.pow function.

Solution:

Console.WriteLine("Enter the Base value");  
int b= int.Parse(Console.ReadLine());

Console.WriteLine("Enter the Power value");  
int p= int.Parse(Console.ReadLine());  
double res=1;

for(int i=1;i<Math.Abs(p);i++)  
    {  
        res\*=b;  
    }  
    if(res<0)  
    {  
        res=1;  
    }  
Console.WriteLine(b+" raised to the power of "+p+ "is "+ res);

5. Reverse a string without recurssion.

Solution:

Console.WriteLine("Enter a string");  
string s=Console.ReadLine();

string rev="";  
for(int i=0;i<s.Length-1;i++)  
{  
    rev+=s[i];  
}  
Console.WriteLine("The reversed string is "+rev);

6. Count the no of vowels and constants in a string

Solution:

Console.WriteLine("Enter a string");

string s= Console.ReadLine();

int vcount=0;

string v="aeiouAEIOU"

for(int i=0;i<s.Length;i++)

{

if(v.Contains(s[i])

{

vcount++;

}

}

Console.WriteLine("The number of vowels in the entered string is :"+vcount);

7. Convert a String into integer

Solution:

Console.WriteLine("Enter a string")

string s=Console.ReadLine();

int res=int.Parse(s);

Console.WriteLine("The converted string is :"+res);