Display all digits and corresponding digit frequency in array of number:::

#include<stdio.h>

void main()

{

int c[30],n,i,j,a[30]={0},b;

scanf("%d",&n);

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

{

scanf("%d",&c[i]);

}

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

{

while(c[i]!=0)

{

b=c[i]%10;

c[i]=c[i]/10;

if(b==0)

a[0]=a[0]+1;

else if(b==1)

a[1]=a[1]+1;

else if(b==2)

a[2]=a[2]+1;

else if(b==3)

a[3]=a[3]+1;

else if(b==4)

a[4]=a[4]+1;

else if(b==5)

a[5]=a[5]+1;

else if(b==6)

a[6]=a[6]+1;

else if(b==7)

a[7]=a[7]+1;

else if(b==8)

a[8]=a[8]+1;

else if(b==9)

a[9]=a[9]+1;

}

for(j=0;j<=10;j++)

{

if(a[j]!=0)

printf("%d %dtimes ",j,a[j]);

}

printf("\n");

for(j=0;j<=10;j++)

{

if(a[j]!=0)

a[j]=0;

}

}

}

Given an array A of integers, find the maximum of j - i subjected to the constraint of A[i] <= A[j].

If there is no solution possible, return -1.( Sir when I submitted this code is failing when we there are 100’s of values and is working for few range of values)

int maximumGap(const int\* A, int n1) {

int k[400]={-1},i,j,s=0,temp=0;

for(i=0;i<n1;i++) {

for(j=i+1;j<n1;j++) {

if(A[i]<=A[j]){

k[s]=j-i;

s++;

}

}

}

temp=k[0];

for (i = 1; i < s; i++)

{

if (temp < k[i])

temp = k[i];

}

return temp;

}

To find two missing numbers in an array::

#include<stdio.h>

void main()

{

int i,j,temp,n, a[98],b[100];;

scanf("%d",&n);

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

{

scanf("%d",&a[i]);

}

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

for(j=0;j<n-2;j++)

if(a[i]<a[j])

{

temp=a[i];

a[i]=a[j];

a[j]=temp;

}

j=0;

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

{

if(i==a[j])

{

j++;

continue;

}

else

{

printf(" Missing numbers are \n%d ",i);

}

}

}

Find the pivot element where the given pattern started increasing :::

#include<stdio.h>

void main()

{

int n,a[100],i,j,k;

scanf("%d",&n);

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

{

scanf("%d",&a[i]);

}

j=1;

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

{

k=a[i]-a[j];

if(k<0)

{

printf("%d %dindexposition",a[i+1],i+1);

break;

}

j++;

}

}