**Greedy-2**

#include <stdio.h>

**int** **main**()

{

**int** arr[**12**] = { **31**, **28**, **31**, **30**, **31**, **30**,

**31**, **31**, **30**, **31**, **30**, **31** };

// Input Month

**int** N;

scanf("%d",&N);

printf("%d", arr[N - **1**]);

**return** **0**;

}

**Prime 41**

#include <stdio.h>

**void** **primeInRange**(**int** L, **int** R)

{

**int** i, j, flag;

**for** (i = L; i <= R; i++) {

**if** (i == **1** || i == **0**)

**continue**;

flag = **1**;

**for** (j = **2**; j <= i / **2**; ++j) {

**if** (i % j == **0**) {

flag = **0**;

**break**;

}

}

**if** (flag == **1**)

printf("%d ", i);

}

}

**int** **main**()

{

**int** L,R;

scanf("%d",&L);

scanf("%d",&R);

primeInRange(L, R);

**return** **0**;

}

**Saranya’s Logic**

#include <stdio.h>

**int** **isPrime**(**int** n)

{

**if** (n <= **1**) **return** **0**;

**if** (n <= **3**) **return** **1**;

**if** (n%**2** == **0** || n%**3** == **0**) **return** **0**;

**for** (**int** i=**5**; i\*i<=n; i=i+**6**)

**if** (n%i == **0** || n%(i+**2**) == **0**)

**return** **0**;

**return** **1**;

}

**int** **main**(){

**char** c[**100000**];

**int** alp[**26**];

**int** i=**0**,ascii,disimilar=**0**;

**int** flag=**1**;

**for**(**int** i=**0**;i<**26**;i++) alp[i]=**0**;

scanf("%s",c);

**for**(i=**0**;c[i]!='\0';i++){

ascii=c[i];

alp[ascii-**97**]++;

}

**for**(i=**0**;i<**26**;i++){

**if**(alp[i]!=**0** ){

disimilar++;

**if**(!isPrime(alp[i]))

{

flag=**0**;

**break**;

}

}

}

**if**(flag==**1**)

{

**if**(isPrime(disimilar))

printf("YES**\n**");

**else**

printf("NO**\n**");

}

**else**

printf("NO**\n**");

}

**Sequence 16**

#include <stdio.h>

#include <string.h>

#include <math.h>

#include <stdlib.h>

**int** **main**()

{

**char** str[**500000**];

**int** i,count=**0**,bal=**0**;

scanf("%s",&str);

**int** length=strlen(str);

**int** min=**100**;

**for**(i=**0**;i<length;i++)

{

**if**(str[i]==')')

count--;

**else**

count++;

**if**(min>count)

{

min=count;

bal=**0**;

}

**if**(min==count)

bal++;

}

**if**(count==**0**)

printf("%d",bal);

**else**

printf("0**\n**");

**return** **0**;

}

**Decibin**

#include <stdio.h>

#include <string.h>

#include <math.h>

#include <stdlib.h>

**long** **long** **convert**(**int** n);

**int** **main**() {

**int** decimal;

scanf("%d", &decimal);

printf("%lld", convert(decimal));

**return** **0**;

}

**long** **long** **convert**(**int** decimal) {

**long** **long** bin = **0**;

**int** rem, i = **1**;

**while** (decimal!= **0**) {

rem = decimal % **2**;

decimal /= **2**;

bin += rem \* i;

i \*= **10**;

}

**return** bin;

}

**Help Ravi**

#include<stdio.h>

**int** **main**() {

**int** n;

scanf("%d",&n);

**int** a[n];

**int** sum=**0**,max=**0**,i,j,k;

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

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

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

{

sum=**0**;

sum=a[i];

**for**( j=i+**1**;j<n;j++)

{

**if**(a[j]>=a[i])

{

sum+=a[i];

}

**else**

**break**;

}

**for**( k=i-**1**;k>-**1**;k--)

{

**if**(a[k]>=a[i])

{

sum+=a[i];

}

**else**

**break**;

}

**if**(sum>max)

max=sum;

}

printf("%d",max);

}