

```
1. n=int(input())
l=map(input().split(),int)
l=list(l)
result=0
for i in range(n+1):
    result=result^i
for x in l:
    result=result^x
print(result)
2:
n=int(input())
target=int(input())
a=list(map(int,input().split()))
i=0
j=len(a)-1
while(i<j):
    if a[i]+a[j]==target:
        print(i,j)
        break
    elif a[i]+a[j]>target:
        j=j-1;
    else:
        i=i+1;
```



```
3. n=int(input())
t=int(input())
a=list(map(int,input().split()))
i=0
for j in range(len(a)):
    if a[j] !=t:
        a[i]=a[j]
        i=i+1
print(i)
for k in range(i):
    print(a[k],sep=",", end="")
```

4. Hint: Find maximum and minimum elements. Print the difference of maximum & minimum.

```
5. n=int(input())
a=list(map(int,input().split()))
fmin=float('inf')
smin=float('inf')
for i in range(len(a)):
    if a[i]<fmin:
        smin=fmin
        fmin=a[i]
    elif a[i]<smin:
        smin=a[i]

print(smin)
```

```
6. n=int(input())
a=list(map(int,input().split()))
product=1
result=[]
for i in range(len(a)):
    product=product *a[i]
for i in range(len(a)):
    result.append(product//a[i])
print(result)

7. n=int(input())
a=list(map(int,input().split()))
sum=0
for x in a:
    sum=sum+x
max=float('-inf')
min=float('inf')
for x in a:
    if x> max:
        max=x
    if x< min:
        min=x

print(sum-min,sum-max)
```



```

8. n=int(input())
a=list(map(int,input().split()))
result=[0]*n
i=0
j=len(a)-1
hindex=len(a)-1
while i<=j:
    left=a[i]*a[i]
    right=a[j]*a[j]
    if left > right:
        result[hindex]=left
        hindex=hindex-1
        i=i+1
    else:
        result[hindex]=right
        hindex=hindex-1
        j=j-1
print(result)
9. n=int(input())
print(n+1)

```

```

10. b=int(input())
area=int(input())
h=2 *area//b

```

```
if 2*area%b==0:
```

```
    print(h)
```

```
else:
```

```
    print(h+1)
```

```
11: m=int(input())
```

```
n=int(input())
```

```
print(m*n-1)
```

```
12. n=int(input())
```

```
count=2
```

```
i=2
```

```
while i*i <=n:
```

```
    if n%i==0:
```

```
        count=count+1
```

```
        k=n//i
```

```
        if k !=i:
```

```
            count=count+1
```

```
        i=i+1
```

```
print(count)
```

```
12. n=int(input())
```

```
count=2
```

```
i=2
```

```
while i*i <=n:
```

```
    if n%i==0:
```

```
        count=count+1
```

```
k=n//i
```

```
if k != i:
```

```
    count=count+1
```

```
i=i+1
```

```
print(count)
```

13: Hint : Use the logic of the above solution (Q.12)

