Loop number of test cases:(declare integer variable t)

Enter number of array elements(array name is a)

Loop for reading array elements:

Read elements

Enter number of queries

Loop number of queries:

Read r and l values

Calculate sum of range

**Program :**

import java.util.Scanner;

class Test{

public static void main (String[] args) {

Scanner s=new Scanner(System.in);

int T=s.nextInt();

for(int j=1;j<=T;j++)

{

int N=s.nextInt();

int a[]=new int[N];

int prefix[]=new int[N];//Array for storing the prefix values

for(int k=0;k<N;k++)//Loop for calculating prefix and adding array elements

{

a[k]=s.nextInt();

if(k==0)

prefix[k]=a[k];

else

prefix[k]=prefix[k-1]+a[k];

}

int Q=s.nextInt();

for(int qu=1;qu<=Q;qu++)//loop which runs queries

{

int l=s.nextInt();

int r=s.nextInt();

if(l==1)

System.out.println(prefix[r-1]);

else

System.out.println(prefix[r-1]-prefix[l-2]);

}

}

}

}

**Python:**

t=int(input())

for i in range(t):

a=[]

prefix=[]

n=int(input())

a.extend([int(x) for x in input().split(' ')])

for j in range(n):

if j==0:

prefix.insert(0,a[0])

else:

prefix.insert(j,prefix[j-1]+a[j])

q=int(input())

for i in range(q):

l,r=[int(x) for x in input().split(' ')]

if l==1:

print(prefix[r-1])

else:

print(prefix[r-1]-prefix[l-2])