[A - Max element in the array](https://vjudge.net/problem/HackerRank-si-basic-max-element" \t "_blank)

**#include <bits/stdc++.h>**

**#include<vector>**

**using namespace std;**

**int main()**

**{**

**int n,i,max;**

**cin>>n;**

**vector<int>v(n);**

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

**{**

**cin>>v[i];**

**}**

**max=v[0];**

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

**{**

**if(v[i]>max)**

**{**

**max=v[i];**

**}**

**}**

**cout<<max;**

**return 0;**

**}**

**Input:**

**5**

**-2 -19 8 15 4**

**Output**

**15**

[B - Reverse array](https://vjudge.net/problem/HackerRank-si-basic-reverse-array)

 #include <bits/stdc++.h>

using namespace std;

int main()

{

int n;

cin>>n;

vector<int>v(n);

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

{

cin>>v[i];

}

for(int i=0;i<n/2;i++)

{

swap(v[i],v[n-1-i]);

}

for(int a:v)

{

cout<<a<<" ";

}

}

Input:

**5**

**-2 -19 8 15 4**

o/p: 4 15 8 -19 -2

[C - Sum of all odd elements](https://vjudge.net/problem/HackerRank-si-basic-sum-of-odd-elements)

 #include <bits/stdc++.h>

using namespace std;

int main()

{

int n,sum=0;

cin>>n;

vector<int>v(n);

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

{

cin>>v[i];

}

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

{

if(v[i]%2!=0)

{

sum=sum+v[i];

}

}

cout<<sum;

}

I&O

5

6 9 8 4 3

12

[D - Find duplicate element in array](https://vjudge.net/problem/HackerRank-si-basic-find-duplicate-element-in-array)

 #include <bits/stdc++.h>

using namespace std;

int main()

{

int n;

cin>>n;

vector<int>v(n);

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

{

cin>>v[i];

}

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

{

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

{

if(v[i]==v[j])

{

cout<<v[i];

break;

}

}

}

**I&O**

6

5 4 10 9 21 10 10

[E - Print unique elements of array](https://vjudge.net/problem/HackerRank-si-basic-print-unique-elements-of-array)

 #include <bits/stdc++.h>

using namespace std;

int main()

{

int n;

cin>>n;

vector<int>v(n);

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

{

cin>>v[i];

}

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

{

int flag=0;

for(int j=0;j<n;j++)

{

if(v[i]==v[j]&& i!=j)

{

flag=1;

}

}

if(flag==0)

{

cout<<v[i]<<" ";

}

}

}

**I&O**

7

5 4 10 9 21 4 10

5 9 21

[F - Linear search on array](https://vjudge.net/problem/HackerRank-si-basic-linear-search-on-array)

#include <bits/stdc++.h>

using namespace std;

int main()

{

int n,key;

cin>>n>>key;

vector<int>v(n);

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

{

cin>>v[i];

}

int result=-1;

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

{

if(v[i]==key)

{

result=i;

}

}

cout<<result;

}

**I&O**

**5 15**

**-2 -19 8 15 4**

**3**

[G - Sum of array elements](https://vjudge.net/problem/HackerRank-si-sum-of-array-elements)

 #include <bits/stdc++.h>

using namespace std;

int main()

{

int t;

cin>>t;

while(t--)

{

int n;

cin>>n;

vector<int>v(n);

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

{

cin>>v[i];

}

int sum=0;

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

{

sum=sum+v[i];

}

cout<<sum<<"\n";

}

}

**I&0:**

**2**

**3**

**5 15 3**

**2**

**70 100**

23

170

[H - Repeated Numbers](https://vjudge.net/problem/HackerRank-si-repeated-numbers)

#include <bits/stdc++.h>

using namespace std;

int main()

{

int t;

cin>>t;

while(t--)

{

int n;

cin>>n;

vector<int>v(n);

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

{

cin>>v[i];

}

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

{

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

{

if(v[i]==v[j])

{

cout<<v[i]<<" ";

break;

}

}

}

cout<<"\n";

}

}

**I&O**

**2**

**8**

**1 3 2 3 4 6 5 5**

**10**

**1 5 2 8 1 4 7 4 3 6**

3 5

1 4