```java
import java.util.Scanner;
class ArraySum
{
  public static void main(String[] args)
  {
int i, sum1=0, sum2=0;
Scanner S= new Scanner(System.in);
System.out.println("enter the size of array");
int n=S.nextInt();
int a[] = new int[n];
System.out.println("enter array elements");
for(i=0; i<n; i++)
{
a[i] = S.nextInt();
}
for(i=0; i<n; i=i+2)
{
  sum1 = sum1 + a[i];
}
System.out.println("1st sum is:"+sum1);
for(i=1; i<n; i=i+2)
{
   sum2=sum2+a[i];
}
System.out.println("2nd sum is:"+sum2);
}
}
```

```
C:\Users\user2\Documents\JAVA\WORK SPACE>java ArraySum
enter the size of array
5
enter array elements
1
2
3
4
5

1st sum is:9
2nd sum is:6

C:\Users\user2\Documents\JAVA\WORK SPACE>javac ArraySum.java

C:\Users\user2\Documents\JAVA\WORK SPACE>java ArraySum
enter the size of array
5
enter array elements
1
2
3
4
5

1st sum is:9
2nd sum is:6

C:\Users\user2\Documents\JAVA\WORK SPACE>_
```

Sum of Array Elements

```java
import java.util.Scanner;
class ArraySum
{
public static void main (String[] args)
{
int i, sum1=0, sum2=0;
Scanner s= new Scanner (System.in)
System.out.println ("enter the size of array");
int n= S.nextInt();
int a[]= new int [n];
System.out.println ("enter array elements");
for (i=0; i<n; i++)
{
a[i]= S.nextInt();
}
for (i=0; i<n; i=i+2)
{
sum1= sum1 + a[i];
}
System.out.println ("1st sum is:"+sum1);
for (i=1; i<n; i=i+2)
{
sum2= sum2 + a[i];
}
System.out.println("2nd sum is:" +sum2); }}
```