

```
1 import java.io.*;
2
3 class Main {
4     public static void main(String args[])
5     {
6         int arr[] = { 1, 2, 3, 4, 5, 6 };
7         int even = 0, odd = 0;
8
9         // Loop to find even, odd sum
10        for (int i = 0; i < arr.length; i++) {
11            if (i % 2 == 0)
12                even += arr[i];
13            else
14                odd += arr[i];
15        }
16
17        System.out.println("Even index positions sum: " + even);
18        System.out.println("Odd index positions sum: " + odd);
19    }
20 }
```

input

Even index positions sum: 9
Odd index positions sum: 12

...Program finished with exit code 0
Press ENTER to exit console.

Write Java programs to accept an array of size n from the user. Find the sum of even indices (i.e. 0, 2, 4, ...) and sum of odd indices (1, 3, 5, ...) and print the same.

Algorithm.

Step 1:- Declare n input the numbers and initialize $even = 0$ and $odd = 0$

Step 2:- Write a for loop of $(int i = 0; i < arr.length; i++)$

Step 3:- and put a if else condition

Step 4:- Write print statement for sum of even and odd respectively.

```
import java.io.*;
```

```
class main {
```

```
    public static void main (String args[])
```

```
    {
```

```
        int arr[] = {1, 2, 3, 4, 5, 6};
```

```
        int even = 0, odd = 0;
```

```
        // Loop to find even, odd sum for
```

```
        (int i = 0; i < arr.length; i++)
```

```
        {
```

```
            if (i % 2 == 0)
```

```
                even += arr[i];
```

```
            else
```

```
                odd += arr[i];
```

```
        }
```

```
        System.out.println("Even index positions sum: " + even);
```

```
        System.out.println("Odd index positions sum: " + odd);
```

```
    }
```

```
}
```

⚡

RunDebugStopSaveExitFullscreen

Language: Java

Main.java

```
1 public class Main
2 {
3     public static void main(String[] args)
4     {
5         int number=0;
6         if(number > 0)
7         {
8             System.out.println(number+" is a positive number");
9         }
10        else if(number < 0)
11        {
12            System.out.println(number+" is a negative number");
13        }
14        else
15        {
16            System.out.println(number+" is neither positive nor negative");
17        }
18    }
19 }
```

input

0 is neither positive nor negative

...Program finished with exit code 0
Press ENTER to exit console.

⚡

RunDebugStopShareSaveBeautify

LanguageJava

Main.java

```
1 public class Main
2 {
3     public static void main(String[] args)
4     {
5         int number=12;
6         if(number > 0)
7         {
8             System.out.println(number+" is a positive number");
9         }
10        else if(number < 0)
11        {
12            System.out.println(number+" is a negative number");
13        }
14        else
15        {
16            System.out.println(number+" is neither positive nor negative");
17        }
18    }
19 }
```

input

12 is a positive number

....Program finished with exit code 0
Press ENTER to exit console.

⚡

Main.java

```
1 public class Main
2 {
3     public static void main(String[] args)
4     {
5         int number=-12;
6         if(number > 0)
7         {
8             System.out.println(number+" is a positive number");
9         }
10        else if(number < 0)
11        {
12            System.out.println(number+" is a negative number");
13        }
14        else
15        {
16            System.out.println(number+" is neither positive nor negative");
17        }
18    }
19 }
```

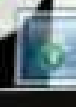

input

⌵ ⌵ ⌵

-12 is a negative number

...Program finished with exit code 0
Press ENTER to exit console.

00:07



Output:-

Even index positions sum 9

odd index positions sum 12

Write Java programs to Accept an array of n integers. Find the number of positive numbers, negative numbers and zeros

Algorithm:-

Step 1:- Declare number = 12

Step 2:- Put a if else if condition to check if the numbers are negative or positive or zero

Step 3:- Print the corresponding results.

Public class main

{

Public static void main (String [] args)

{

int number = 12

if (number > 0)

{

System.out.println (number + " is a positive number");

}

else if (number < 0)

{

System.out.println (number + " is a negative number");

}

else

{

System.out.println (number + " is neither positive nor negative.");

}

}

}